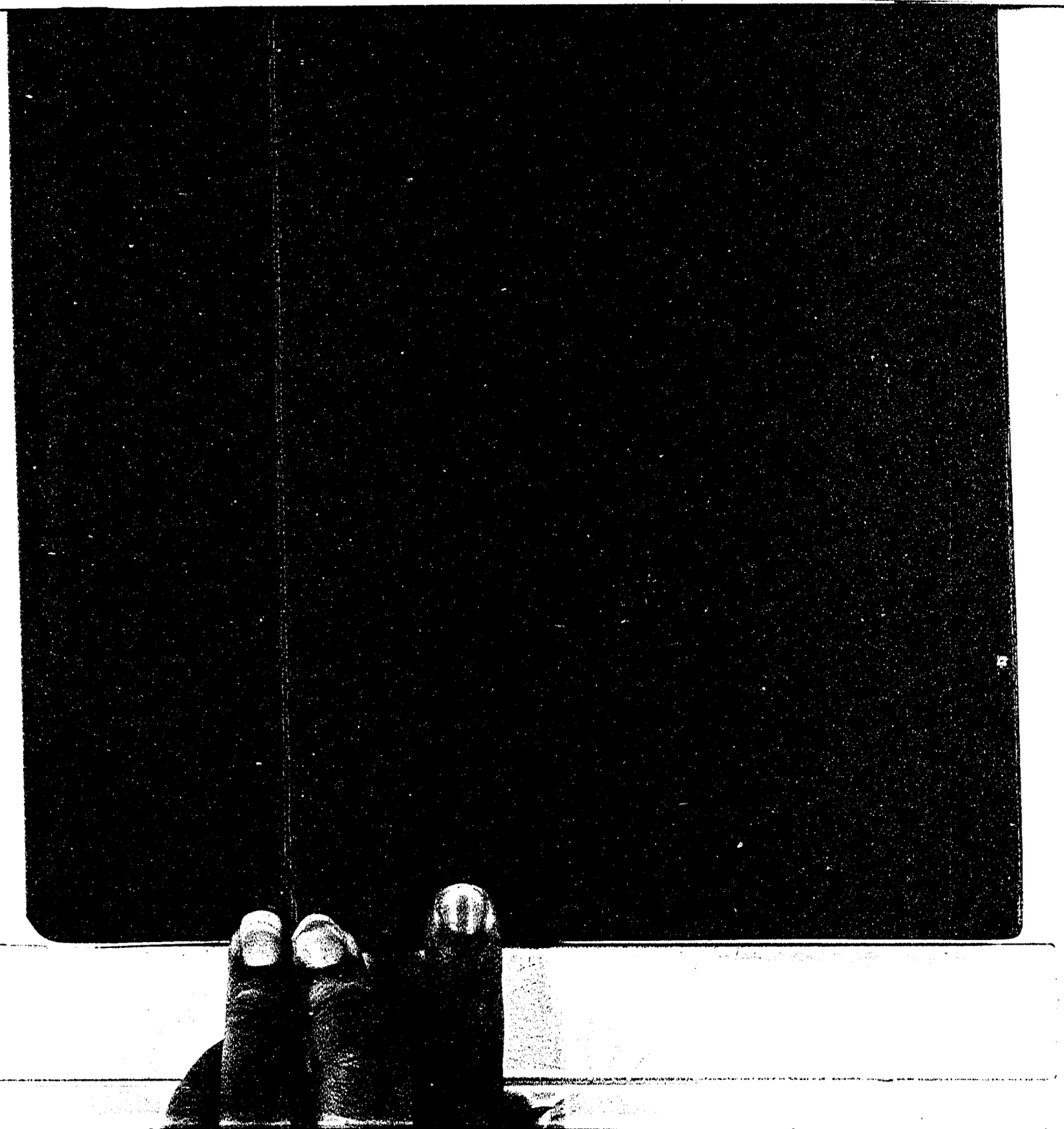
NOTICE: if the film image is less clear than this notice, it is due to the quality of the document being filmed

CS v. MSP Releasable
PRODUCED BY MSP 9/93
BOX # 5 REQUEST #
Carlson Hawkins Wells
Bartel, Mears

MSD054



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US v. MSP Releasable
PRODUCED BY MSP 9/93
BOX # 5 REQUEST # ____
Uniform Hazardous Waste Manifest, MCRS

MSD054

2105 FL

DEM05201?

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 013198

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD981057706 — Manifest Document No. 13198 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
M & M CHEMICAL CO.
RT. 3, BOX 285B, ATTALLA, AL 35954

4. Generator's Phone (205) 538-3800

5. Transporter 1 Company Name: M & M CHEMICAL CO. — 6. US EPA ID Number: ALD007067767

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
(504) 631-3161

10. US EPA ID Number: LAD981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ Waste Flammable Solid, N.O.S., UN 1325, (D001, F001, F002, F003, F005)	810	DM	43500	P.	D001, F001, F002, F003, F005
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: RECYCLE/REUSE — NMG-NMG-690462

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE NO. 800-424-9300
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: DONALD ARCHBRIGHT — Signature — Month Day Year: 10 16 12 5 19 90

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GENE BARNES — Signature — Month Day Year: 10 16 12 5 19 90
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space
DEQ052018

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA TOMSETT — Signature — Month Day Year: 10 16 12 6 90

NOTICE: if the film image is less clear than this notice, it is due to the quality of the document being filmed

US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 5
BOX # 4

MSD054

2106 F

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8/22 F175/DM

89114625
MCDS Document #

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

MMC | MMC | 8904625
MSP CODE:

AUG 24 1989

PER MAC

Generator Name: M&M Chemical Co.
Facility Address: Route 3 Box 215-B
City, State, Zip: Athalla, AL 35954
Technical Contact: Don Burris
Title: V. President
Telephone NO. (205) 538-3800 EXT:
Facility EPA ID #: ALD070519767

Bill To: M&M Chemical Co
Address: Rt. 3 Box 285B
City, State, Zip: Athalla, AL 35954
Telephone #: 205-538-3800
Company Contact: Don Burris
Container Size: 55 Gal
EPA Waste No. D001, F002, F003, F005
Generating Process: Solids accumulated from purging out Drums in M&M's program
Common Name of Waste: Flammable Solids
Rate of Generation: 900 (Quan) DMS (Units) PER Week (Time Interval)
Volume in Storage: 500 (Quan) DM (Units) IN 55 Gal (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: Waste Flammable solid, N.O.S
Hazard Class: Flammable ID No.: UN 1325 VR
Transportation Equipment: VAN
Placarding: Flammable

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

Paint Solids	10-30 %
Aliphatic Solvents (Hexane, Heptane, Mineral Spirits)	0-10 %
Aromatic Solvents (Toluene, Xylene, Benzene)	0-10 %
Ketones (MEK, MIBK, Acetone)	0-5 %
Grease, oil, oil dry	0-10 %
Rags, gloves, wood, filters, debris	20-30 %
Chlorinated Solvents (Methylene Chloride, 1,1,1-Tric, Perc)	0-5 %

METALS (EP Toxicity Test, mg/l)

MEAS NONE SUSPECTED

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm)

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	0-5,000		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Fluorine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phases/Layering	[X] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[X] High	[ ] Medium	[ ] Low	
Type of Solids	[ ] Organic	[ ] Inorganic	[X] Mixed	

Total Solids (wt. %): — Suspended Solids (wt. %): —
BTU/lb 5000 % Ash Content: — % Water (by weight): —
Flash Point (°F): <100 Type: —
Specific Gravity: —
Boiling Point, (°C): — Freezing Point, (°C): —
Vapor Pressure (mm Hg @ 24°C): —
pH (Avg) Solid-neutral (Range): — to —
Total Alkalinity/Acidity (%): —
Odor: Solvent
Color: Varies

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive
[ ] Radioactive	[ ] Pesticide Residuals	[X] Ignitable
[ ] Corrosive	[X] Toxic Vapor	[ ] Polymerizable
[ ] Biological	[ ] Etiological	[ ] Pathogen
[ ] Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 8-22-89 GENERATOR'S SIGNATURE: D.K. Burris

DEQ052019

ASP FORM 1040 REV. 11/88

DS V. MSP PRODUCED BY: MSP 9/93 Releasable REQUEST # 5-1-96 BOX # 5 MSD054

MSD054

2107

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE ✓

MANIFEST Nº 015076

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD079466095 ✓ Manifest Document No. 11 ✓
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
GSX RECOVERY SYSTEMS INC. ✓
HWY 1112 CROWLEY LA 70526 ✓
4. Generator's Phone (318) 783-2624 ✓

A. State Manifest Document Number 015076 ✓
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone 318-783-2624 ✓
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161 ✓

5. Transporter 1 Company Name: GSX RECOVERY SYSTEMS INC. ✓ — 6. US EPA ID Number: LAD079466095 ✓
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC. ✓
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 ✓
10. US EPA ID Number: LAD981057706 ✓

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	L. Waste No.
a. Waste Flammable Liquid, N.O.S. Flammable Liquid UN1993 RQ,(D001,F001,F002,F003,F005,K085,) (HEXANE,MEK)	001	FT	5400	G	D001,F001 F002 ✓ R F003,F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
I. Additional Waste Code: K085 ✓
A. MSP-HSCO-8904681

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
RUBBER GLOVES, RESPIRATORS, SAFETY GLASSES, FOAM AND/OR CO_2 FOR FIRE CONTROL. CONTAIN SPILLAGE. IN THE EVENT OF CONTINGENCY, CALL LOUISIANA STATE POLICE HAZARDOUS MATERIALS
IF UNABLE TO DELIVER, RETURN TO GENERATOR UNIT (504) 925-6595.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Tim Hall ✓ — Signature: [signature] ✓ — Month Day Year: 10 12 16 90

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: KOREN D. VASSELIN ✓ — Signature: Robert Vasseur ✓ — Month Day Year: 10 16 16 90
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space
DEQ052020
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: TIM BASSETT — Signature: [signature] — Month Day Year: 10 17 90

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BOX 1 OF 5 — HAZARDOUS WASTE MANIFEST

DS V. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # 1-1822

MSD054

210 F

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 900626

Form Approved OMB No. 2050-0039 Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 0 H D 9 8 0 7 0 0 9 4 2 5 | Manifest Document No. 1 9 1 8 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
ECOLOTEC, INC.
636 NORTH IRWIN STREET
DAYTON, OHIO 45403

4. Generator's Phone (513) 254-9990

5. Transporter 1 Company Name
ENROSERV MIDWEST, INC.

6. US EPA ID Number 0 H D 9 8 6 9 6 8 1 2 1

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number L A D 9 8 1 0 5 7 7 0 6

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	
GENERATOR	a. "RQ" WASTE FLAMMABLE SOLID, N.O.S. FLAMMABLE SOLID, UN-1325 (D001,F003,F005,D007,D011)	0 7 3	D M	2 6 0 1 0	P	D001 D007 D011 F003 F005
	b. "RQ" WASTE FLAMMABLE SOLID, N.O.S. FLAMMABLE SOLID, UN-1325 (D001,F001,F002,F003,F004) (F005)	0 0 5	D M	0 1 2 0 1 2 5	P	D001 F001 F002 F003 F004 F005
	c.					
	d.					

13. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE

14. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11A: 73 X 55 GAL.
11B: 5 X 55 GAL.
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Donald E. Ballard — Signature: Donald E. Ballard — Month Day Year: 10 6 25 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: CARL WILLIAMS — Signature: Carl Williams — Month Day Year: 10 6 25 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DE0052021

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: LINDA BASSETT — Signature: Linda Bassett — Month Day Year: 10 26 90

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US V. NSP PRODUCED BY NSP 6/93 Releasable

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 918689

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 0 H D 9 8 0 6 8 1 5 7 1 — Manifest Document No. W 1 4 1 2
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
North East Chemical Corporation
3301 Monroe Avenue Cleveland OH 44113
4. Generator's Phone (216) 961-8618

5. Transporter 1 Company Name: John Pfrommer, Incorporated
6. US EPA ID Number: P A D 0 0 8 7 8 1 0 7 2
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: L A D 9 8 1 0 5 7 7 0 6

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone: (215) 388-3051
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. "RQ" Hazardous Waste Solid, N.O.S. NA 9189 ORM-E	0 8 0	M T	2 4 0 0	P	D001/F001 R F003/F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
NCC879286

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
#472 HW

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Alan Hagans — Signature: Alan Hagans — Month Day Year: 0 6 2 5 9 0

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PIERRE BISSONNETTE — Signature — Month Day Year: 0 6 2 5 9 0

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

19. Discrepancy Indication Space
DEQ052022

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: DAN PRAMER — Signature — Month Day Year: 0 6 2 6 9 0

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US v. NSP Releasable
PRODUCED BY NSP 9/93
REQUEST # 1-1622
BOX 1 OF 1
Manifest, Misc.

MSD054

2 1 0 F

MARKETING (504) 767-0934
PLANT (504) 631-3626

NEC | NEC | 87032876

HSP CODE: NEC-1

Generator Name: North East Chemical Corporation
Facility Address: 3301 Monroe Address
City, State, Zip: Cleveland, OH 44113
Technical Contact: Ernest O. Petrey
Title: Technical Director
Telephone NO. (216) 751-0012 EXT: ___
Facility EPA ID #: OHD 980-631-571

SUBMITTED BY: North East Chemical Corporation (Customer)
Container Size: 55-gallons
EPA Waste No.: D001/F001/F003/F005
REASON: Contact with the above wastes
Common Name of Waste: trash
Rate of Generation: 20 (Quan) drums (Units) PER month (Time Interval)
Volume in Storage: --- (Quan) (Units) IN --- (Container)
Is Waste DOT Hazardous: (X) YES ( ) NO
Proper DOT Shipping Name: Hazardous Waste Solid
Hazard Class: NOS ID No.: UN1989
Transportation Equipment:
Placarding:
Generating Process:

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

TRASH	100 %
	%
Gloves, rags, filters, bottles	%
	%
No free liquids	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)		Silver (Ag)	
Barium (Ba)		Copper (CO)	
Cadmium (Cd)		Nickel (Ni)	
Chromium (Cr)		Zinc (Zi)	
Lead (Pb)			
Mercury (Hg)			
Selenium (Se)			

Metals Estimate 0-0.1%

INORGANICS (mg/l or ppm)

Total CN		Bromine	
Free CN		Iodine	
Sulfide		Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Fluorine			
Chlorine			
Chloride			

ORGANICS (mg/l or ppm)

Endrin		Organohalide	
Methoxychlor		Mercaptans	
Toxaphene			
2, 4-D			
2, 4, 5-T			
Phenol(ics)			
PCB			
TOC			
BOD			
COD			

PHYSICAL DESCRIPTION

Physical State: ( ) Liquid ( ) Semi-solid (X) Solid
Phases/Layering: ( ) None ( ) Bilayered (X) Multilayered
Viscosity N/A: ( ) High ( ) Medium ( ) Low
Type of Solids: ( ) Organic ( ) Inorganic (X) Mixed
Total Solids (wt %) 100 Suspended Solids (wt %) ___
BTU/lb 5,000+ % Ash Content 0-20
Flash Point (°F) N/A Type ___
Specific Gravity N/A
Boiling Point, (°C) N/A Freezing Point, (°C) N/A
Vapor Pressure (mm Hg @ 24°C) ___
pH (Avg) N/A (Range) ___ to ___
Total Alkalinity/Acidity (%) N/A
Odor N/A
Color N/A

HAZARDOUS PROPERTIES

		( ) None
( ) Ignitable	( ) Corrodes Steel	( ) Toxic Vapor
( ) Reactive	( ) Pyrophoric	( ) Shock Sensitive
( ) Explosive	( ) Water Reactive	( ) Radioactive
( ) Biological	( ) Pathogen	( ) Etiological

( ) Pesticide Residuals
(X) Other D001/F001/F003/F005 residuals

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: ___

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORT, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 10/23/87 SIGNATURE: ___

HSP FORM 1010 (REV. 2/25/87)

DEQ052023

Reference Document No. 873286
10/26/87

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

U.S. V. HSP PRODUCED BY HSP 9/93 Releasable REQUEST # 11625

MSD054

JAN 03 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: NEC /NEC /87032867 /

Date printed: 12/01/89 Rep. ID: RAC

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
Post Office Box 1698
Kenner, LA 70063
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: NORTHEAST CHEMICAL CORPORATION
Telephone: (216) 961-8618 x.0000
Facility Address: 3301 MONROE AVENUE
USEPA ID: OHD980681571
CLEVELAND, OH 44113-0000
Name of Waste: TRASH
Generating Process: FUEL BLENDING
Technical Contact: ~~MR. ERNEST PETREY~~ THERON R. BRAYMAN
Title: LAB MGR.

B. CHANGES OR ADDITIONS SINCE LAST MCDS PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions 2, 3, 4, or 5, please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW MCDS MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) 55GAL. STEEL

Anticipated Volume: 40-80 Gals. _____ Cubic Yds. _____ Other DRUMS

Per: ☐ One Time ☐ Week ☒ Month ☐ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: THERON R. BRAYMAN
Signature: Theron R. Brayman
Title: LAB MGR.
Date: 13 DEC. 1989

DEC052024

MSP Form 1040 – R (October 1987)

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US v. MSP Releasable
PRODUCED BY MSP 9/93

MSD054

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MATERIALS CHARACTERIZATION

MSP CODE: NEC-1-[illegible]

MARKETING (504) 767-0984
PLANT (504) 631-3626

Generator Name: North East Chemical Corporation
Facility Address: 3301 Monroe Address
City, State, Zip: Cleveland, OH 44113
Technical Contact: Ernest O. Petrey
Title: Technical Director
Telephone NO. (216) 751-0012 EXT:
Facility EPA ID #: OHD 980-631-571

SUBMITTED BY: North East Chemical Corporation (Customer)
Container Size: 55-gallons
EPA Waste No.: D001/F001/F003/F005
REASON: Contact with the above wastes
Common Name of Waste: trash
Rate of Generation: 20 (Quan) drums (Units) PER month (Time Interval)
Volume in Storage: --- (Quan) (Units) IN --- (Container)
Is Waste DOT Hazardous (X) YES ( ) NO
Proper DOT Shipping Name: Hazardous Waste Solid
Hazard Class: NOS ID No.: UN1989
Transportation Equipment:
Placarding:
Generating Process:

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

TRASH	100	%
		%
Gloves, rags, filters, bottles		%
		%
No free liquids		%
		%
		%
		%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)		Silver (Ag)	
Barium (Ba)		Copper (CO)	
Cadmium (Cd)		Nickel (NI)	
Chromium (Cr)		Zinc (NI)	
Lead (Pb)			
Mercury (Hg)			
Selenium (Se)			

Metals Estimate 0-0.1%

INORGANICS (mg/l or ppm)

Total CN		Bromine	
Free CN		Iodine	
Sulfide		Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Flourine			
Chlorine			
Chloride			

ORGANICS (mg/l or ppm)

Endrin		Organohalide	
Methoxychlor		Mercaptans	
Toxaphene			
2, 4-D			
2, 4, 5-T			
Phenol(ics)			
PCB			
TOC			
BOD			
COD			

PHYSICAL DESCRIPTION

Physical State: ( ) Liquid ( ) Semi-solid (X) Solid
Phases/Layering: ( ) None ( ) Bilayered (X) Multilayered
Viscosity N/A ( ) High ( ) Medium ( ) Low
Type of Solids: ( ) Organic ( ) Inorganic (X) Mixed
Total Solids (wt %) 100 Suspended Solids (wt %)
BTU/lb 5,000+ % Ash Content 0-20
Flash Point (°F) N/A Type
Specific Gravity N/A
Boiling Point, (°C) N/A Freezing Point, (°C) N/A
Vapor Pressure (mm Hg @ 20°C)
pH (Avg) N/A (Range) to
Total Alkalinity/Acidity (%) N/A
Odor N/A
Color N/A

HAZARDOUS PROPERTIES

( ) Ignitable	( ) Corrodes Steel	( ) Toxic Vapor
( ) Reactive	( ) Pyrophoric	( ) Shock Sensitive
( ) Explosive	( ) Water Reactive	( ) Radioactive
( ) Biological	( ) Pathogen	( ) Etiological

( ) Pesticide Residuals
(X) Other D001/F001/F003/F005 residuals

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORT, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 10/23/87 SIGNATURE

MSP FORM 1010 (REV. 2/25/87)

DEQ052025

Reference Document No. 873286
10/26/87

US v. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 5 Waukesha, WI
MSD054
2113

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MATERIALS CHARACTERIZATION

MSP CODE: NCC-873286

MARKETING (504) 767-0984
PLANT (504) 631-3626

Generator Name: North East Chemical Corporation
Facility Address: 3301 Monroe Address
City, State, Zip: Cleveland, OH 44113
Technical Contact: Ernest O. Petrey
Title: Technical Director
Telephone NO. (216) 751-0012 (XT: X
Facility EPA ID #: OHD 980-631-571

SHIPPED BY: North East Chemical Corporation (Customer)
Container Size: 55-gallons
EPA Waste No.: D001/F001/F003/F005
REASON: Contact with the above wastes
Common Name of Waste: trash
Rate of Generation: 20 (Quan) drums (Units) PER month (Time Interval)
Volume in Storage: ---- (Quan) (Units) IN ---- (Container)
Is Waste DOT Hazardous: (X) YES ( ) NO
Proper DOT Shipping Name: Hazardous Waste Solid
Hazard Class: NOS ID No.: UN1989
Transportation Equipment:
Placarding:
Generating Process:

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

TRASH	100	%
		%
Gloves, rags, filters, bottles		%
		%
No free liquids		%
		%
		%
		%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)		Silver (Ag)	
Barium (Ba)		Copper (Cu)	
Cadmium (Cd)		Nickel (Ni)	
Chromium (Cr)		Zinc (Ni)	
Lead (Pb)			
Mercury (Hg)			
Selenium (Se)			

Metals Estimate 0-0.1%

INORGANICS (mg/l or ppm)

Total CN		Bromine	
Free CN		Iodine	
Sulfide		Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Flourine			
Chlorine			
Chloride			

ORGANICS (mg/l or ppm)

Endrin		Organohalide	
Methoxychlor		Mercaptens	
Toxaphene			
2, 4-D			
2, 4, 5-T			
Phenol(ics)			
PCB			
TOC			
BOD			
COD			

PHYSICAL DESCRIPTION

Physical State: ( ) Liquid ( ) Semi-solid (X) Solid
Phases/Layering: ( ) None ( ) Bilayered (X) Multilayered
Viscosity N/A: ( ) High ( ) Medium ( ) Low
Type of Solids: ( ) Organic ( ) Inorganic (X) Mixed
Total Solids (wt %) 100 Suspended Solids (wt %)
BTU/lb 5,000+ % Ash Content 0-20
Flash Point (°F) N/A Type
Specific Gravity N/A
Boiling Point, (°C) N/A Freezing Point, (°C) N/A
Vapor Pressure (mm Hg @ 25°C)
pH (Avg) N/A (Range) to
Total Alkalinity/Acidity (%) N/A
Odor N/A
Color N/A

HAZARDOUS PROPERTIES

( ) Ignitable	( ) Corrodes Steel	( ) Toxic Vapor
( ) Reactive	( ) Pyrophoric	( ) Shock Sensitive
( ) Explosive	( ) Water Reactive	( ) Radioactive
( ) Biological	( ) Pathogen	( ) Etiological

( ) Pesticide Residuals
(X) Other D001/F001/F003/F005 residuals

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

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CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 10/23/87 SIGNATURE

MSP FORM 1040 (REV. 2/25/87)

DEQ052026

Reference Document No. 873286
10/26/87

US v. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # MSD054
MSD054
2114

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NORTH EAST CHEMICAL CORPORATION
3301 MONROE AVENUE • CLEVELAND, OHIO 44113 • 216-961-8618

February 17, 1988

Ms. Barbara Fontenot
MARINE SHALE PROCESSORS, INCORPORATED
highway 90 East
Morgan City, Louisiana 70380

RE: NCC-873286

Dear Barbara:

Due to the characteristics of the F class material involved in our shipment to you and on the materials characterization data sheet referenced herein, we feel the material should be reclassified from HAZARDOUS WASTE SOLID NOS UN1989, to WASTE FLAMMABLE SOLID, N.O.S. UN1325 (EPA IGNITABILITY), with waste numbers F001R, F003R, F005R, D001R.

We have checked with the DOT hotline and feel this is the most appropriate shipping name.

One correction on the characterization data sheet should be North East Chemical Corp.'s EPA ID. Our correct number is OHD 980681571.

Thank you for your consideration in this matter.

Sincerely,
NORTH EAST CHEMICAL CORPORATION

F. Phillip Stapf

F. Phillip Stapf
President

sp
cc: Richard Caire
Ernest Petrey

CB V. MSP Releasable
PRODUCED BY MSP 9/93
MSD054
2 1 3

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(504) 767-0984
(504) 631-3626

MSP CODE: [illegible]

GENERATOR BY: North East Chemical Corporation
(Customer)

Generator Name: North East Chemical Corporation
Facility Address: 3301 Monroe Address
City, State, Zip: Cleveland, OH 44113
Technical Contact: Ernest O. Petrey
Title: Technical Director
Telephone NO. (216) 751-0012 EXT:
Facility EPA ID #: OHD 980-631-571

Container Size: 55-gallons
EPA Waste No.: D001/F001/F003/F005
REASON: Contact with the above wastes
Common Name of Waste: trash
Rate of Generation: 20 (Quan) drums (Units) PER month (Time Interval)
Volume in Storage: ---- (Quan) (Units) IN --- (Container)
Is Waste DOT Hazardous (X) YES ( ) NO
Proper DOT Shipping Name: Hazardous Waste Solid
Hazard Class: NOS ID No.: UN1989
Transportation Equipment:
Placarding:
Generating Process:

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

TRASH	100 %
Gloves, rags, filters, bottles	%
No free liquids	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)		Silver (Ag)	
Barium (Ba)		Copper (Cu)	
Cadmium (Cd)		Nickel (Ni)	
Chromium (Cr)		Zinc (Ni)	
Lead (Pb)			
Mercury (Hg)			
Selenium (Se)			

Metals Estimate 0-0.1%

INORGANICS (mg/l or ppm)

Total CN		Bromine	
Free CN		Iodine	
Sulfide		Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Flourine			
Chlorine			
Chloride			

ORGANICS (mg/l or ppm)

Endrin		Organohalide	
Methoxychlor		Mercaptans	
Toxephene			
2, 4-D			
2, 4, 5-T			
Phenol(ics)			
PCB			
TOC			
BOD			
COD			

PHYSICAL DESCRIPTION

Physical State: ( ) Liquid ( ) Semi-solid (X) Solid
Phases/Layering: ( ) None ( ) Bilayered (X) Multilayered
Viscosity N/A ( ) High ( ) Medium ( ) Low
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Total Solids (wt %) 100 Suspended Solids (wt %)
BTU/lb 5,000+ % Ash Content 0-20
Flash Point (°F) N/A Type
Specific Gravity N/A
Boiling Point, (°C) N/A Freezing Point, (°C) N/A
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) N/A (Range) to
Total Alkalinity/Acidity (%) N/A
Odor N/A
Color N/A

HAZARDOUS PROPERTIES

( ) Ignitable	( ) Corrodes Steel	( ) Toxic Vapor
( ) Reactive	( ) Pyrophoric	( ) Shock Sensitive
( ) Explosive	( ) Water Reactive	( ) Radioactive
( ) Biological	( ) Pathogen	( ) Etiological

( ) NONE
( ) Pesticide Residuals
(X) Other D001/F001/F003/F005 residuals

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORT, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

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DATE 10/23/87 SIGNATURE

MSP FORM 1040 (REV. 2/25/87)

Reference Document No. 873286
10/26/87

DEQ052028

OS V. MSP PRODUCED BY MSP 9/93 Releasable
BOX # 5 REQUEST # 7
MSD054
2 / 18

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NORTH EAST CHEMICAL CORPORATION
3301 MONROE AVENUE • CLEVELAND, OHIO 44113 • 216-961-8618

February 17, 1988

Ms. Barbara Fontenot
MARINE SHALE PROCESSORS, INCORPORATED
highway 90 East
Morgan City, Louisiana 70380

RE: NCC-873286

Dear Barbara:

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We have checked with the DOT hotline and feel this is the most appropriate shipping name.

One correction on the characterization data sheet should be North East Chemical Corp.'s EPA ID. Our correct number is OHD 980681571.

Thank you for your consideration in this matter.

Sincerely,
NORTH EAST CHEMICAL CORPORATION

F. Phillip Stapf

F. Phillip Stapf
President

sp
cc: Richard Caire
Ernest Petrey

DEQ052029

DB V. MSP Retrievable
PRODUCED BY MSP 9/93
REQUEST # 1-1
BOX 1
MSD054
2 1 1

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015077

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD079464095 — Manifest Document No. 015077
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address: GSX RECOVERY SYSTEMS INC. HWY 1112 CROWLEY LA 70526
4. Generator's Phone (318) 783-2624
5. Transporter 1 Company Name: GSX RECOVERY SYSTEMS INC.
6. US EPA ID Number: LAD079464095
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706
A. State Manifest Document Number: 01507
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone: 318-783-2624
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
GENERATOR a. Waste Flammable Liquid, N.O.S. Flammable Liquid UN1993 RQ,(D001,F001,F002,F003,F005,K085,) (HEXANE,MEK)	001	TF	5400	G	D001,F001 F002 R F003,F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
1. Additional Waste Code: K085
A. MSP-HSCO-8904681

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
RUBBER GLOVES, RESPIRATORS, SAFETY GLASSES, FOAM AND/OR CO_2 FOR FIRE CONTROL. CONTAIN SPILLAGE. IN THE EVENT OF CONTINGENCY, CALL LOUISIANA STATE POLICE HAZARDOUS MATERIALS
IF UNABLE TO DELIVER, RETURN TO GENERATOR (504) 925-6505

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Edmund Hanks — Signature — Month Day Year: 10 5 12 90

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GEORGE CRAIG — Signature — Month Day Year: 10 12 12 90
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space: DEQ052030
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Month Day Year: 10 12 12 90

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US v. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2 1 8

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015080

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD079464095 Manifest Document No. 015080

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
GSX RECOVERY SYSTEMS INC.
HWY 1112 CROWLEY LA 70526

4. Generator's Phone (318) 783-2624

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: GSX RECOVERY SYSTEMS INC.

6. US EPA ID Number: LAD079464095

C. State Transporter's ID

D. Transporter's Phone: 318-783-2624

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706

G. State Facility's ID

H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
GENERATOR a. Waste Flammable Liquid, N.O.S. Flammable Liquid UN1993 RQ,(D001,F001,F002,F003,F005,K085,) (HEXANE,MEK)	001	TT	5400	G	D001,F001 F002 R F003,F005
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above
I. Additional Waste Code: K085
A. HSP-HSCO-8904681

RECYCLE / REUSE

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
RUBBER GLOVES, RESPIRATORS, SAFETY GLASSES, FOAM AND/OR CO_2 FOR FIRE CONTROL. CONTAIN SPILLAGE. IN THE EVENT OF CONTINGENCY, CALL LOUISIANA STATE POLICE HAZARDOUS MATERIALS
IF UNABLE TO DELIVER, RETURN TO GENERATOR UNIT (504) 925-6595.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name | Signature | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Matthew N. Shaw | Signature: Matthew N. Shaw | Month Day Year: 06 21 91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052031

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Dan Prame | Signature | Month Day Year: 6-21-91

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ, GREEN – Generator, YELLOW – TSDRF, BLUE – Transporter 2, PINK – Transporter 1, GOLD – Generator

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DB V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

RECYCLE / REUSE

MANIFEST Nº 015563

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD005031240 — Manifest Document No. 7090

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Gloekler Refridgerator Co
3950 West 20th Street, Erie, PA 16505

4. Generator's Phone (814) 838-1928

A. State Manifest Document Number

B. State Generator's ID
Same

5. Transporter 1 Company Name
North American Environmental Services Corp.

6. US EPA ID Number
NYD986867884

C. State Transporter's ID 85799 (NY)

D. Transporter's Phone (716) 875-2903

7. Transporter 2 Company Name
SAME

8. US EPA ID Number

E. State Transporter's ID 85788 (NY)

F. Transporter's Phone SAME

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number
LAD981051706

G. State Facility's ID

H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. RQ Waste Flammable Solid, NOS (Toluene/Xylene) Flammable Solid UN 1325	002	DT	00825	P	R F003
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
a) Still Bottoms NAEN/GLR/8904398 Sp - F

K. Handling Codes for Wastes Listed Above
a) B

15. Special Handling Instructions and Additional Information
Emergency Contact: Chuck Eisert
(814) 838-1928

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
DAVID J. RITTER		06	20	90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
PAUL V. BORDAS	Paul V. Bordas	06	21	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
PAUL V BORDAS	Paul V. Bordas	06	21	90

FACILITY

19. Discrepancy Indication Space
DEQ052032

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
JAMIE LAMARRO				

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDRF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

BOX 5 ... Waste Profile ...
DS V. HSP PRODUCED BY HSP 9/93 Releasable
REQUEST # ...

MSD054

2120 F

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8904398
MCDS Document #

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1690 • KENNER, LA 70063
SALES (504) 465-3310

AUG 10 1989

MSP CODE: NAEN/GLR-8904398

Generator Name: GLOEKLER REFRIDGERATOR CO.
Facility Address: 3950 WEST 20TH STREET
City, State, Zip: ERIE, PA 16505
Technical Contact: CHUCK EISERT
Title:
Telephone NO: (814) 838-1928 EXT:
Facility EPA ID #: PAD 005 031 240

Bill to: North American Environmental Services Corp
Address: PO Box 66
City, State, Zip: Buffalo, NY 14207
Telephone #: (716) 875-2903
Company Contact: Peter Keller
Container Size: 55 GALLON
EPA Waste No. F003
Generating Process: DISTILLATION OF VARIOUS PAINT THINNERS
Common Name of Waste: STILL BOTTOMS
Rate of Generation: 4 DRUMS PER YEAR
Volume in Storage: ____ ____ ID #: ____

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

PAINT SOLIDS: EPOXY, ALKID, URETHANE, LACQUER	95 %
SOLVENT: METHYL ISOBUTYL KETONE, MINERAL SPIRITS, TOLUENE, XYLENE	%
N-BUTANOL, METHYL ETHYL KETONE	5 %
	%
	%

Is Waste DOT Hazardous: [X] YES [ ] NO
Proper DOT Shipping Name: RQ WASTE FLAMMABLE SOLID, NOS (FC
FLAMMABLE
Hazard Class: SOLID ID No.: UN 1325
Transportation Equipment: TRACTOR TRAILER/HIGHWAY
Placarding: FLAMMABLE

METALS (EP Toxicity Test, mg/l) NS=None Suspected

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm)

Total Cl	NS	Iodine	NS
Free Cl	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Fluoride	NS		
Sulfate	NS		
Nitrate	NS		
Phosphate	NS		
Ammonia	NS		
Bromine	NS		
Cyanide	NS		

ORGANICS (mg/l or ppm)

Indole	NS	Organochlorides	NS
Mercaptans	NS	Aldehydes	NS
Toluene	NS		
2,4-D	NS		
2,4,5-T	NS		
Phenolics	NS		
PCBs	NS		
Dioxin	NS		
TOC	NS		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phase Layering	[X] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[X] High	[ ] Medium	[ ] Low	
Type of Solids	[X] Organic	[ ] Inorganic	[ ] Mixed	

Total Solids (wt. %) 95 Suspended Solids (wt %) 0
BTU/lb 18,000 Ash Content 20 % Water (by weight) 0
Flash Point (F) <100 Type TCC
Specific Gravity DENSITY 70#/FT³
Boiling Point, (C) NA Freezing Point, (C) 0
Vapor Pressure (mm Hg @ 24°C) NA
pH (Avg) NEUTRAL (Range) 6 to 8
Total Alkalinity/Acidity (%) <.1
Odor PAINT
Color VARIED

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] Toxic	
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive	
[ ] Radioactive	[ ] Pesticide Residuals	[X] Ignitable	
[ ] Corrosive	[ ] Toxic Vapor	[ ] Polymerizable	
[ ] Biological	[ ] Etiological	[ ] Pathogen	

[X] Other LISTED WASTE

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
RUBBER GLOVES, SAFETY GLASSES, RESPIRATOR

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 8/2/88 GENERATOR'S SIGNATURE:

DEQ052033

MSD054

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

9000161
JAN 17 1990

For MSP Use Only
Approval Code NAEN/DAHL/9001O1

A. General Information

Company Name: Dahlstrom Manufacturing
Address: 443 Buffalo Street
City: Jamestown State: NY Zip Code: 14701
Generator Contact: Calvin Carr
Title: Plant Engineer
Telephone No.: (716) 487-0111
Facility EPA I.D. No.: NYD 063 649 784

B. Customer Information

Company Name: North American Env Services Corp
Contact: Peter O. Keller
Address: PO Box 66
Buffalo, NY 14207
Telephone No.: (710 875-2903
For Customer Use:

C. Regulatory Information

☒ RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s): F005

D. Chemical Composition

PRO TRADE NAMES – Ranges must not exceed 20%. Total in minimum column must be greater than or equal to 100%

	MIN	MAX
Paint Sludge	>90	
Toluene	<5	
Acetone	<5	
Water	<1	

Common name of waste: Paint Sludge

E. General Characteristics

Color: Black
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): <20
BTU's per lb (list actual value): 12,000
Water (Wt %): ☒ <1 ☐ 1-5 ☐ 5-10 ☐ if > 10 list actual
Specific Gravity: ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☐ >1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %–for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual
pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual

Flash Point (closed cup): ☒ < 100°F ☐ 100°-140°F ☐ 140°-200°F ☐ > 200°F ☐ ____°F actual
Sulfur (Wt %): ☒ < 5 ☐ if > 5 list actual value

Halogens (Wt %): <1 / 1-5 / 5-10 / if >10 list actual Wt %
☐ Iodine ☒ / ☐ / ☐
☐ Bromine ☒ / ☐ / ☐
☐ Chlorine ☒ / ☐ / ☐
☐ Fluorine ____ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0	If material contains the following compounds, indicate actual ppm:	
Lindane	0		
Methoxychlor	0	PCB	
Toxaphene	0	Cyanides	
2,4-D	0	Sulfides	
2,4,5-TP (Silvex)	0	Dioxin	

DEQ052034

US v. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 5-1622
BOX # 5
MSD054
2122

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H. Notes, Additional Information or Special Handling Instructions

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

Generating process: Still Bottoms from Distillation Unit

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: RQ Waste Flammable Solid, NOS (F005) DOT I.D. No. (circle one) UN/NA UN 1325

Hazard Class: Flammable Solid RQ 100#

Anticipated Volume: 6 Drums Gal Yds Lbs Bulk Roll

Container Size: 55 gallon Container Type: metal drums

Per: One time Week Month Year Other Quarter

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Calvin Carr — Generator's Signature

2. CALVIN CARR — Name (Type or Print)

3. 1/16/90 — Date

4. PLANT ENGINEER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052035

DS V. MSP Releasable PRODUCED BY MSP 9/92 REQUEST #

MSD054

2127

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015557

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYD106136419 Manifest Document No. 178912

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DAHLSTROM MFG
443 BUFFALO ST, JAMESTOWN, NY 14701

4. Generator's Phone (716) 487-0111

A. State Manifest Document Number
SAME

B. State Generator's ID
SAME

5. Transporter 1 Company Name
NORTH AMERICAN ENVIRONMENTAL SERVICES CORP

6. US EPA ID Number
NYD981687585 4

C. State Transporter's ID
85980-NY

D. Transporter's Phone (716) 875-2903

7. Transporter 2 Company Name
SAME

8. US EPA ID Number

E. State Transporter's ID
SAME

F. Transporter's Phone
SAME

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number
LAD981057706

G. State Facility's ID
LAD981057706

H. Facility's Phone
(504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. RQ WASTE FLAMMABLE SOLID, NOS (ACETONE/TOLUENE) FLAMMABLE SOLID UN 1325	007	DM	02887	P	R F003/F005
b. RQ WASTE FLAMMABLE SOLID, NOS (TOLUENE) FLAMMABLE SOLID UN 1325	005	DM	02062	P	R F005
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) PAINT FILTERS NAEN/DAHL/8905460 SP = .9
B) PAINT SLUDGE NAEN/DAHL/900101 SP = .9

K. Handling Codes for Wastes Listed Above
A) B
B) B

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: CAL CARR
(716) 487-0111

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: CALVIN CARR — Signature: Calvin Carr — Month Day Year: 06/19/90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL V. BORDAS — Signature: Paul V Bordas — Month Day Year: 06/19/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL V. BORDAS / PATRICK WEAVER — Signature: Patrick Weaver Paul V Bordas — Month Day Year: 06/20/90

19. Discrepancy Indication Space
DEQ052036

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Joanie Kahrarae — Signature: Joanie Kahrarae — Month Day Year: 6/20/90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDRF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

GENERATOR / TRANSPORTER / FACILITY

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U.S. v. H&P PRODUCED BY H&P 9/93 Releasable

MSD054

2124

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MARINE STATE PROCESSORS, INC.

8905460
NCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

MSP CODE: NAEN/DAHL/8905460

Generator Name: Dahltrom Manufacturing
Facility Address: 443 Buffalo Street
City, State, Zip: Jamestown, NY 14701
Technical Contact: Calvin Carr Eng
Title:
Telephone NO.: (716) 487-0111 EXT:
Facility EPA ID #: NYD 063 649 786

Bill To: NORTH AMERICAN ENV SERVICES CORP.
Address: PO BOX 66 2321 KENMORE AVENUE
City, State, Zip: BUFFALO, NY 14207-0066
Telephone #: (716) 875-2903
Company Contact: PETER O. KELLER
Container Size: 55 Gallon
EPA Waste No.: ~~D001~~ F003/F005
Generating Process: Paint filters from spray booths
Common Name of Waste: Paint Filters
Rate of Generation: 12 (#/Unit) Drums (Unit) PER Year (Time Interval)
Volume in Storage: (#/Unit) (Units) IN (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: RQ Waste Flammable Solid, NOS
Hazard Class: Flammable Solid ID No.: UN 1325
Transportation Equipment:
Placarding: Flammable

CHEMICAL COMPOSITION (No Trade Name)

(totals must add up to 100%)

Paint Filters	~~100~~ %
XYLENE	10 %
TOLUENE	%
MEK	%
ACETONE	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l) NS= NONE SUSPECTED

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm)

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Fluorine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm)

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2,4-D	NS		
2,4,5-T	NS		
Phenol(s)	NS		
PCBs	NS		
Dioxin	NS		
TOC	NS		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid				
Phases/Layering	[ ] Uni-Layer	[ ] Bilayer	[ ] Multilayer				
Viscosity	[X] High	[ ] Medium	[ ] Low				
Type of Solids	[ ] Organic	[ ] Inorganic	[ ] Mixed				

Total Solids (wt. %): 100 Suspended Solids (wt. %): 0
BTU/lb: 10,000 % Ash Content: <10 % Water (by weight): 0
Flash Point (°F): <100 Type: TCC
Specific Gravity: ~~1~~ 0.90
Boiling Point, (°C): 65 Freezing Point, (°C): -90
Vapor Pressure (mm Hg @ 24°C): 70
pH (Avg): 5-9 (Range): 6 to 8
Total Alkalinity/Acidity (%): <1
Odor: Paint
Color: Varies

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE	
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive	
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable	
[ ] Corrosive	[ ] Toxic Vapor	[X] Ignitable	
[ ] Biological	[ ] Etiological	[ ] Pathogen	
[X] Other: LISTED WASTE			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 11/11/89 GENERATOR'S SIGNATURE: Calvin Carr

MSP FORM 1040 (REV. FEB/91)

DE0052037

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015565

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD 010 210 694 660 141 910 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Rexnord Inc.
304 Main Ave. Warren PA 16365

4. Generator's Phone (814) 723-6600

A. State Manifest Document Number

B. State Generator's ID Same

5. Transporter 1 Company Name — 6. US EPA ID Number
North American Environmental Ser. Corp. — LAD 986 867 585 14

C. State Transporter's ID 857880 (NY)

D. Transporter's Phone 716-875-2903

7. Transporter 2 Company Name — 8. US EPA ID Number
CAMF

E. State Transporter's ID Same

F. Transporter's Phone Same

9. Designated Facility Name and Site Address — 10. US EPA ID Number
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 — LAD 981 057 706

G. State Facility's ID

H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. W Nonhazardous oil soaked speedy dry	01	dm	0415	P	NOII NRI R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
NAEN REXI 9003084

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: BRUNO VAVALA — Signature: [signature] — Month Day Year: 10 11 11 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL V. BORDAS — Signature: [signature] — Month Day Year: 10 6 V 19 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL V. BORDAS / PATRICK WEAVER — Signature: [signature] / Patrick Weaver — Month Day Year: 10 6 12 10 1992

FACILITY

19. Discrepancy Indication Space
IIA) NOII is a Pennsylvania regulatory Number (RQ)
DEQ052038

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Janie Labranche — Signature: [signature] — Month Day Year: 10 16 90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

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US v. NSP Produced by NSP 9/93 Releasable

Box 5 Hazardous Waste Manifest Misc.

MSD054

2128

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

JUN 05 1990

9003084

For MSP Use Only
Approval Code NAEN/REXI/9003084

A. General Information

Company Name: Rexnord Inc
Address: 304 Main Avenue
City: Warren State: PA Zip Code: 16365
Generator Contact: Bruno Vavala
Title:
Telephone No. (814) 723-6600
Facility EPA I.D. No. PAD 002 106 946

B. Customer Information

Company Name: North American Env Services
Contact: PO Box 66
Address: Buffalo, NY 14207
Telephone No. (716) 875-2930
For Customer Use:

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s): NRM

D. Chemical Composition

TWO TRADE NAMES – Ranges must not exceed 20%. Total in hazardous column must be greater than or equal to 100%

	MIN	MAX
Speedy Dry	50	
Oil	50	

Common name of waste: Speedy Dry and Oil

E. General Characteristics

Color: Brown
Odor: ☐ None ☒ Mild Oily ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): <25
Water (Wt %): ☒ < 1 ☐ 1-5 ☐ 5-10 If > 10 list actual
Specific Gravity: ☐ < 0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☒ > 1.7 list actual: 1.1
BTU's per lb (list actual value): 5,000
Viscosity (for bulk liquids only) list actual in centipoise: ____ cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 If > 20 list actual
pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 If < 2 or > 12.5 list actual

Flash Point (closed cup):
☐ < 100°F ☒ > 200°F ☐ ____ °F actual
☐ 100°-140°F
☐ 140°-200°F

Sulfur (Wt %): ☒ < 5 If > 5 list actual value

Halogens (Wt %): <1 ☒ | 1-5 ☐ | 5-10 ☐ | If > 10 list actual Wt %
☐ Iodine
☐ Bromine
☐ Chlorine
☐ Fluorine ____ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm):

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DE0052039

U.S. V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #
BOX #
MSD054

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US v. NSP Releasable
PRODUCED BY: NSP 9/93
REQUEST #: 1-1000
Box 1 of 1
Hartford, Illinois

H. Notes, Additional Information or Special Handling Instructions

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

Generating process: From spill cleanup

J. Shipping Information

DOT Hazardous Material Y (N) (circle one)

Proper Shipping Name: Nonhazardous oil soaked speedy dry — DOT I.D. No. UN/NA: None

Hazard Class: None — RQ

Anticipated Volume: 10 — Drums / Gal / Yds / Lbs / Bulk / Roll

Container Size: 55 gallon — Container Type: metal drum

Per: One time / Week / Month / Year / Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Bruno S. Vavala — Generator's Signature

2. Bruno Vavalo — Name (Type or Print)

3. 5/25/90 — Date

4. Env Coord. — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052040

MSD054

2 1 2 8

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO 913685

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. VTD012014369 — Manifest Document No.
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Burlington Electric Department
585 Pine Street, Burlington, VT 05401

4. Generator's Phone (802) 658-0300

5. Transporter 1 Company Name
Alexander Environmental Management Services, Inc.

6. US EPA ID Number

7. Transporter 2 Company Name
General Chemical Corp.

8. US EPA ID Number
MAD019371079

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number
LAD981057706

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID 15A79
D. Transporter's Phone 802-476-5400
E. State Transporter's ID 12.12.1M4
F. Transporter's Phone 508-872-5000
G. State Facility's ID
H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. Waste Corrosive Liquid,n.o.s. Corrosive Material UF 1760	001	DM	00040	P	D002 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
11a) phosphate based liquid detergent

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) RCRA#VTD-003902-DEC

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Stephen F. Sacks For Burlington Electric Dept. — Signature: Stephen F. Sacks — Month 06 Day 12 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Stephen F. Sacks — Signature: Stephen F. Sacks — Month 06 Day 12 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052041

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jamie LaFrance — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator DESIGNATED FACILITY

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 11-1221
BOX # 5
Hazardous Waste

MSD054

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DIRECT FEED ON

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

JUN 04 1990

9003062

For MSP Use Only
Approval Code ROCK/BEDE/A0030620 DFO

A. General Information

Company Name: Burlington Electric Dept.
Address: 585 Pine St.
City: Burlington State: VT Zip Code: 05401
Generator Contact: Robert Alberry
Title: Director of General Services
Telephone No. (802) 658-0300
Facility EPA I.D. No.: VTD020654430

B. Customer Information

Company Name: ROCKWOOD ENVIRONMENTAL SERVICES CORP
Contact: BILL WHITE
Address: 2 BROOKLINE PLACE, SUITE 201
BROOKLINE MA 02146
Telephone No. (617) 524-8282
For Customer Use

C. Regulatory Information

(X) RCRA Regulated ( ) Land Ban (X) Non-Regulated EPA Waste Code(s): None D002 (RA)

D. Chemical Composition

PRO TRADE NAMES – Ranges must not exceed 20% if used in mixtures and must be greater than or equal to 100%

	MIN	MAX
Phosphates, aryl sulfonate, chelating agent (EDTA type)	5	10
Silicates	75	90
Water		

Common name of waste: Power Cleaner # 155 (Pinetree) Non Regulated Phosphate Based Liquid Detergent

* MUST BE PACKAGED IN 5 gallon * Steel Drums

E. General Characteristics

Color: clear liquid
Odor: (X) None ( ) Mild ( ) Strong
(X) Liquid ( ) Sludge ( ) Solid ( ) Powder
Phases: (X) Single Layer ( ) Double Layer ( ) Multi-Layer

F. Specific Characteristics

In the waste?

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list percent WT %): 0
BTU's per lb (list actual value): 0-1000
Water (WT %): ( ) <1 ( ) 1-5 ( ) 5-10 (X) >10 list actual: 25-40
Specific Gravity: ( ) <0.8 ( ) 0.8-1.0 ( ) 1.0-1.2 (X) 1.2-1.4 ( ) >1.7 list actual:
Viscosity (for bulk liquids only) list actual in centipoise: N/A cp
Total Suspended Solids (WT % for bulk liquids only): ( ) 5-20 ( ) >20 list actual: N/A
pH: ( ) 2-6 ( ) 6-10 ( ) 10-12.5 ( ) <2 or >12.5 list actual: 12.6

Flash Point (closed cup): ( ) <100°F ( ) 100°-140°F ( ) 140°-200°F ( ) >200°F None °F actual
Sulfur (WT %): (X) <5 ( ) >5 list actual value

Halogens (WT %)	<1	1-5	5-10	If >10 list actual WT %
( ) Iodine	X			
( ) Bromine	X			
( ) Chlorine	X			
( ) Fluorine	X			

Metals EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm): 0

Endrin	0	Toxaphene	0
Lindane	0	2,4-D	0
Methoxychlor	0	2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:
PCB's: 0 ppm
Cyanides: 0 ppm
Sulfides: 0 ppm
Dioxin: 0 ppm

DEQ052042

DS V. MSP Releasable
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REQUEST #
MSD054
DEQ

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H. Notes, Additional Information or Special Handling Instructions

MSDS attached
Certificate of destruction required, please

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

Generating process: Obsolete, Virgin Product

J. Shipping Information

(RA) DOT Hazardous Material (Y) (N) Waste corrosive liquid nos (circle one)
Proper Shipping Name ~~Non Regulated Phosphate Based Liquid Detergent~~ DOT ID No. UN/NA None UN1760
(RA) Hazard Class None Corrosive material RQ ~~None~~ 100 lbs.
Anticipated Volume (Drums) Gal Yds Lbs ☐ Bulk ☐ Rail
Container Size 5 gal. Container Type Plastic Pail
Per ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Robert Alberry — Generator's Signature
2. Robert Alberry — Name (Type or Print)
3. 5/29/90 — Date
4. Director of General Services — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052043

DS V. MSP Releasable PRODUCED BY MSP 9/93

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 014374

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. MAD980521619 Manifest Document No. 014374
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Chelsea Clock, 284 Everett Ave., Chelsea, MA 02150

4. Generator's Phone (617) 884-0250

5. Transporter 1 Company Name: General Chemical Corp.
6. US EPA ID Number: MAD017910717

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706

A. State Manifest Document Number:
B. State Generator's ID:
C. State Transporter's ID: 402-10
D. Transporter's Phone: (508) 872-5000
E. State Transporter's ID: 924-1607 MS
F. Transporter's Phone: 508 872 5000
G. State Facility's ID:
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	L Waste No.
a. Waste Paint related material- NA 9189 ORM-E F003/F005	001	DM	055	G	F003 F005 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE
Paint Filters - CHEL/CHEL/ 9002596

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CHEM TREC 1-800-424-9300

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
DOUGLAS S FIRICH		10	16	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
ROGER DENARO		10	22	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
DEQ052044

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jeanie Labarre				90

EPA Form 8700-22 (Rev. 9-85) WHITE - DEQ GREEN - Generator YELLOW - TRSPRT BLUE - Transporter PINK -

GENERATOR / TRANSPORTER / FACILITY

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US v. H&P — Produced by H&P 9/93 — Releasable

MSD054

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 10 1990

9002596

For MSP Use Only

Approval Code CHEL/CHEL/9002596

A. Generator Information

Generator Name: Chelsea Clock Company
Site Address: 284 Everett Avenue
City: Chelsea State: Ma Zip Code: 02150
Generator Contact: D. Bruce Mauch
Title: VP Manufacturing
Telephone No. (617) 884-0250
Facility EPA I.D. No.: MAD 985269125

B. Customer Information

Company Name: Same
Contact: D. Bruce Mauch
Address: 284 Everett Avenue
Chelsea, MA 02150
Telephone No. (617) 884-0250
For Customer Use

C. Regulatory Information

☑ RCRA Regulated ☑ Land Ban ☐ Non-Regulated EPA Waste Code(s): F003/F005

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
MINERAL SOLIDS	10	20
PAINT RESINS / SOLIDS	40	60
WATER	20	30
PAINT FILTERS	10	20

Common Name of Waste: PAINT BOOTH FILTERS

E. General Characteristics

Color:
Odor: ☐ None ☐ Mild ☐ Strong
☐ Liquid ☑ Sludge ☑ Solid ☐ Powder
Phases: ☐ Single Layer ☑ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 40-50
BTU's per lb (list actual value): 5K
Water (Wt %): ☐ <1 ☐ 1-5 ☑ 5-10 ☐ >10 — list actual 25%
Specific Gravity: ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☐ >1.7 — list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ >20 — list actual
pH: ☐ 2-6 ☑ 6-10 ☐ 10-12.5 ☐ >12.5 — list actual

Flash Point (closed cup): ☐ <100°F ☑ >200°F ☐ 100°-140°F ☐ 140°-200°F ☐ °F actual
Sulfur (Wt %): ☑ <5 ☐ >5 list actual value

Halogens (Wt %):

	<1	1-5	5-10	>10 list actual Wt %
☐ Iodine	☑	☐	☐	
☐ Bromine	☑	☐	☐	
☐ Chlorine	☑	☐	☐	
☐ Fluorine	<1			

DE0052045

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxophene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

US V. MSP Released PRODUCED BY MSP 9/93 REQUEST # 1-1222 Box 1-5 Mauch, Bruce

MSD054

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: SPRAY PAINT BOOTH WASTE

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: WASTE PAINT RELATED MATERIAL — DOT I.D. No. (circle one) UN/NA: NA9189

Hazard Class: ORM-E — RQ

Anticipated Volume: (Drums) 5 Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size: 55 GAL — Container Type: STEEL

Per: ☐ One time ☐ Week ☐ Month ☐ Year (X) Other: QTR

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Douglas B. Mauch — Generator's Signature

2. Douglas B. Mauch — Name (Type or Print)

3. April 30, 1990 — Date

4. Vice President Manufacturing — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DE0052046

MSP Form 1040 II Rev. 10/89

DB V. MSP Retrievable PRODUCED BY MSP 9/93 REQUEST # 1-1162

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 909232

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C T D 0 0 9 7 1 7 6 0 4 — Manifest Document No. 0 3 5 1 5
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOLVENTS RECOVERY SERVICE OF NEW ENGLAND, INC.
P.O. Box 362, SOUTHINGTON, CT 06489
4. Generator's Phone (203) 621-8383

5. Transporter 1 Company Name — 6. US EPA ID Number
SOLVENTS RECOVERY SERVICE OF NE, INC — C T D 0 0 9 7 1 7 6 0 4
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 — L A D 9 8 1 0 5 7 7 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ WASTE FLAMMABLE SOLID NOS (EPA IGNITABILITY) flammable solid UN1325	030	DM	0000	Y	
b. RQ WASTE FLAMMABLE SOLID NOS (F005) flammable solid UN1325	009	DM	0002	Y	
c. RQ WASTE FLAMMABLE SOLID NOS (F003) flammable solid UN1325	006	DM	0002	Y	
d. NON-REGULATED MATERIAL N/A N/A	047	DM	0012	Y	

12. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE — K. Handling Codes for Wastes Listed Above
solid; 80-85%/water; 0-6%/oils; 0-10%/alcohols; 0-1%/halogenated hydrocarbons; 0-10%/aromatic; 0-5%/ketones; 0-2%/ [illegible] 0-1%/ [illegible] 0-1%/ [illegible] 0-1

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MATERIALS CHARACTERIZATION DATA SHEET

Ref to SRSS/88 10177

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

9000114

For MSP Use Only
Approval Code SRSS/SRSS/9000114

A. General Information

Company Name SOLVENTS RECOVERY SERVICE OF N.E.
Address 114 LAZY LANE
City SOUTHINGTON State CT Zip Code 06489
Generator Contact PAUL LETENDRE
Title PLANT SUPERINTENDENT
Telephone No. (203) 621-8383
Facility EPA I.D. No. CTD 009 717 604

B. Customer Information

Company Name SAME
Contact MARY LOU BIRDSEY
Address
Telephone No. ( )
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☑ Non-Regulated EPA Waste Code(s)

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)	MIN	MAX
INKS	0	20
URETHANE POLYOL	0	20
PHTHALIC PLASTICIZERS	0	20
POLYETHYLENE GLYCOL	0	10
PVC RESIN	0	10
FILTERS, DEBRIS, VERMICULITE	0	20

Common name of waste:

E. General Characteristics

Color MULTI-COLORED
Odor ☐ None ☑ Mild ☐ Strong
☐ Liquid ☑ Sludge ☑ Solid ☐ Powder
Phases ☑ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 10-30
Water (Wt %): ☐ < 1 ☐ 5-10 ☐ 1-5 ☐ > 10
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual 8 lb/gal
Viscosity (for bulk liquids only) list actual in centipoise: ____ cp
Total Suspended Solids (mg/liter bulk basis only): ☐ 5-20 ☐ > 20 list actual ____
pH: ☐ 7-8 ☐ 8-10 ☐ 10-12.5 ☐ < 2 or > 12.5 list actual 7
BTU's per lb (list actual value): 8000/lb list actual ____

Flash Point (closed cup): ☐ < 100°F ☐ 100°-140°F ☐ 140°-200°F ☐ > 200°F ☐ ____ °F actual
Sulfur (Wt %): ☐ < 5 ☐ > 5 list actual value ____
Halogens (Wt %) <1 / 1-5 / 5-10: ☐ Iodine ☐ / ☐ / ☐ ☐ Bromine ☐ / ☐ / ☐ ☐ Chlorine ☐ / ☐ / ☐ ☐ Fluorine ____ actual Wt % — If > 10 list actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	<1	Selenium (Se)	<1
Barium (Ba)	<1	Silver (Ag)	<1
Cadmium (Cd)	<1	Copper (Cu)	<50
Chromium (Cr)	<2	Nickel (Ni)	<10
Lead (Pb)	<4	Zinc (Zn)	<10
Mercury (Hg)	<0.2		

Organics (ppm)

Endrin	0	If material contains the following compounds, indicate actual ppm:	
Lindane	0	PCB	
Methoxychlor	0	Cyanides	
Toxaphene	0	Sulfides	
2,4-D		Dioxin	
2,4,5-TP (Silvex)	0		

DEQ052048

Releasable
PRODUCED BY MSP 9/93
REQUEST #
US V. MSP
BOX
MSD054

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DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #

Refer to SRSS/88 10177

H. Notes, Additional Information or Special Handling Instructions

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

NORMAL

Generating process:

J. Shipping Information

DOT Hazardous Material Y (N) (circle one)

Proper Shipping Name NON-HAZARDOUS SOLID DOT I.D. No. UN/NA

Hazard Class NONE EQ NONE

Anticipated Volume Drums 90 Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size 55 GAL Container Type

Per ☐ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Paul Letendre — Generator's Signature

2. PAUL LETENDRE — Name (Type or Print)

3. 1/4/90 — Date

4. PLANT SUPERINTENDENT — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052049

MSP Form 1340 II Rev. 10/89

MSD054

2137

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PRODUCED BY MSP - 9/93 Releasable

OS V. MSP

REQUEST # 1-1666

BOX # 5

MSD054

MATERIALS CHARACTERIZATION DATA SHEET

Refer to SRSS/SRSS/8810178

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

For MSP Use Only

Approval Code SRSS/SRSS/9000115

JAN 09 1990

9000115

A. General Information

Company Name SOLVENT RECOVERY SERVICE NEW.
Address 114 LAZY LANE
City SOUTHINGTON State CT Zip Code 06489
Generator Contact PAUL LETENDRE
Title PLANT SUPERINTENDENT
Telephone No. (203) 621-5383
Facility EPA I.D. No. CTD 007 712 604

B. Customer Information

Company Name SAME
Contact MARY LOU BIRDSEY
Address
Telephone No. ( )
For Customer Use

C. Regulatory Information

☐ TSCA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) NONE FOR F005

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in minimum column must be greater than or equal to 100%)

	MIN	MAX
KETONES	0	1
AROMATICS	0	3
HALOGENATED HYDROCARBONS	0	1
ALIPHATICS	0	1
MISC SOLVENTS	0	3
WATER	0	6
SOLIDS (PAINT PIGMENTS)	80	85

Common name of waste:

E. General Characteristics

Color MULTI-COLORED
Odor ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 1%
Water (Wt %): ☐ <1 ☐ 5-10 ☒ 1-5 if > 10 list actual
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7 list actual 1.6 g/cc
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 if > 20 list actual
pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 if < 2 or > 12.5 list actual 6.7
BTU's per lb (list actual value): 10,000 list actual
Flash Point (closed cup): ☐ < 100°F ☐ > 200°F ☒ 100°-140°F ☐ 140°-200°F ☐ °F actual
Sulfur (Wt %): ☒ < 5 if > 5 list actual value
Halogens (Wt %): ☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine — <1 ☐ ☐ ☐ ☐; 1-5 ☐ ☐ ☐ ☐; 5-10 ☐ ☐ ☐ ☐; if > 10 list actual Wt %: 2 actual Wt %

Metals EP Toxicity Test (MG/L)

Arsenic (As)	0-2	Selenium (Se)	0-1
Barium (Ba)	10-100	Silver (Ag)	0-1
Cadmium (Cd)	0-5	Copper (Cu)	10-50
Chromium (Cr)	5-25	Nickel (Ni)	10-50
Lead (Pb)	25-150	Zinc (Zn)	10-50
Mercury (Hg)	0-Dec 2		

Organics (ppm)

Endrin	NONE	If material contains the following compounds, indicate actual ppm:	
Lindane	NONE	PCB	
Methoxychlor	NONE	Cyanides	
Toxaphene	NONE	Sulfides	
2,4-D	NONE	Dioxin	
2,4,5-TP (Silvex)	NONE		

DE0052050

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

H. Notes, Additional Information or Special Handling Instructions

.119 lb.

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous supplemental information, data and comments

NORMAL

Generating process:

J. Shipping Information

DOT Hazardous Material (Y) N (circle one)

Proper Shipping Name RQ WASTE FLAMMABLE SOLID, N.O.S. (Fe) DOT LD. No. (UN) NA 1325

Hazard Class FLAMMABLE SOLID RQ 100 lbs.

Anticipated Volume: Drums 90 Gal Yds Lbs Bulk Roll

Container Size .55 GAL Container Type METAL DRUM

Per: One time Week Month Year Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Paul Lefendre — Generator's Signature

2. PAUL LEFENDRE — Name (Type or Print)

3. 11/4/90 — Date

4. Plant Superintendent — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052051

GE V. HSP Releasable
PRODUCED BY HSP 9/93
REQUEST #
BOX #
MSD054
2191

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 011663

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Exp. 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LJD087092391	Manifest Document No. 100012	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Ocean Yachts
PO Box 312
Egg Harbor, NJ 08215

4. Generator's Phone (609) 965-4516

5. Transporter 1 Company Name: Freehold Cartage, Inc.	6. US EPA ID Number: NJD054126164
7. Transporter 2 Company Name: FREEHOLD CARTAGE INC	8. US EPA ID Number: LAD981057016
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380	10. US EPA ID Number: LAD981057016

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
GENERATOR a. RQ Waste Flammable Solid N.O.S. Flammable Solid UN 1325 D001, F005	023	DM	01512910	P	D001 F005
b.					
c.					
d.					

[redacted]

15. Special Handling Instructions and Additional Information

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
ROBERT FINK	[signature]	06 13 1990

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
JAMES F. MURPHY	[signature]	06 13 1990

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
KELL MILLHAM	[signature]	06 13 1990

FACILITY

19. Discrepancy Indication Space

DEQ052052

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ. GREEN – Generator. YELLOW – TSDRF. BLUE – Transporter 2. PINK – Transporter 1. GOLD – Generator

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US v. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2190

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No. 011664

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD148073112 — Manifest Document No. 000012
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Ocean Yachts II
PO Box 276
Egg Harbor, NJ 08215

4. Generator's Phone (609) 965-7816

5. Transporter 1 Company Name: Freehold Cartage, Inc.
6. US EPA ID Number: NJD054126164

7. Transporter 2 Company Name: FREEHOLD CARTAGE INC
8. US EPA ID Number: NJD054126164

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057016

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.
a. NA Waste Flammable Solid N.O.S UN 1325 Flammable Solid D001, F005	001	DM	022100	P
b.				
c.				
d.				

J. Additional Descriptions for Materials Listed Above — K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Todd Walker — Signature: Todd W. — Month Day Year: 10/21/94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: James F. Murphy — Signature: James F. Murphy — Month Day Year: 10/21/94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bill Mirham — Signature: [illegible] — Month Day Year: 10/31/94

19. Discrepancy Indication Space
DE0052053

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ, GREEN – Generator, YELLOW – TSDRF, BLUE – Transporter 2, PINK – Transporter 1, GOLD – Generator

GENERATOR / TRANSPORTER / FACILITY

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US v. H&P
PRODUCED BY H&P 9/93
Releasable
REQUEST #
BOX
Chapter, Issues

MSD054

2191

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RECEIVED APR 17 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: CUTE/OV1 /890244S/ /

Date printed: 4/05/90 Rep.ID: KGB

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: OCEAN YACHTS INC. Telephone: (609) 965-4616 x.0000

Facility Address: RT. 563 USEPA ID: NJD087092391

EGG HARBOR, NJ 08215-0000

Name of Waste: WASTE PAINT RELATED MATERIALS Generating Process: _____

Technical Contact: MR. BOB FINK Title: PURCHASING AGENT

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☐ Drum (type/size) 55gal steel

Anticipated Volume: 825 Gals. _____ Cubic Yds. _____ Other _____

Per: ☐ One Time ☐ Week ☐ Month ☒ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: ROBERT FINK Signature: Robert Fink

Title: PURCHASING AGENT Date: 4-11-90

DEQ052054

MSP Form 1040-R (November 89)

US V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-1600

MSD054

2142

0902445

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 9000 KENNER, LA 70063
SALES (504) 465-3310

8902245

MCDS Document # _____

MAY 05 1989

MSP CODE: _____

Generator Name: OCEAN YACHT
Facility Address: RT 563
City, State, Zip: EGG HARBOR NJ 08215
Technical Contact: BOB FINK
Title: PURCHASING AGENT
Telephone NO. (609) 965-4616 EXT: ____
Facility EPA ID #: NJD 087092 391

Bill To: CUTE INC
Address: 103 GODWIN AVE. BOX 237
City, State, Zip: MIDLAND PARK, NJ 07432
Telephone #: 201-636-7125
Company Contact: DEBBIE BIELSOWSKI
Container Size: 55 gal DRUMS
EPA Waste No. D001 F003
Generating Process: BOAT MANUFACTURING
Common Name of Waste: WASTE PAINT RELATED MATERIALS
Rate of Generation: 20 x 55 gal PER QUARTER
(Quant) (Units) (Time Interval)
Volume in Storage: 20 x 55 gal IN Metal DRUMS
(Quant) (Units) (Container Style and Types)

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

PAINT FIBERGLASS, DEBRIS	90-95 %
ACETONE	5-10 %
	%
	%
	%
	%
	%

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: RQ WASTE, FLAMMABLE SOLID NOS
Hazard Class: ~~Solid~~ FLAMMABLE ID No. UN 1325
Transportation Equipment: BOX TRAILER
Placarding: FLAMMABLE

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm)

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Fluorine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm)

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2,4-D	NS		
2,4,5-T	NS		
Phenolics	NS		
PCBs	NS		
Dioxin	NS		
TOC	NS		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[✓] Solid	
Phases/Layering	[✓] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[ ] High	[ ] Medium	[ ] Low	
Type of Solids	[ ] Organic	[ ] Inorganic	[✓] Mixed	

Total Solids (wt. %): 99-100 Suspended Solids (wt. %): ____
BTU/lb: 12K-13K % Ash Content: 1-3 % Water (by weight): <1
Flash Point (°F): <140 Type: CLOSED CUP
Specific Gravity: <1
Boiling Point, (°C): UNKNOWN Freezing Point, (°C): UNKNOWN
Vapor Pressure, (mm Hg @ 24°C): UNKNOWN
pH (Avg): 6 (Range): 5 to 7
Total Alkalinity/Acidity (%): ____
Odor: SOLVENT
Color: MULTI-COLORED

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE	
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive	
[ ] Radioactive	[ ] Pesticide Residuals	[X] Ignitable	
[ ] Corrosive	[X] Toxic Vapor	[ ] Pathogen	
[ ] Biological	[ ] Etiological		
[ ] Other ____			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: Same precautions as with any other flammable. Goggles, Aprons, GLOVES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 4/28/89 GENERATOR'S SIGNATURE: _____

MSP FORM 1010 (REV. FEB/88)

DEQ052055

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US v. MSP Releasable
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Box 5 - Waste Profiles

MSD054

2 of 3

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8902445

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # _____

P.O. BOX 1089 KENNER, LA 70063
SALES (504) 465-3310

MAY 0 1989

CUTE|OYI|8902445
MSP CODE: _____

Generator Name: OCEAN YACHT
Facility Address: RT 563
City, State, Zip: EGG HARBOR, NJ 08215
Technical Contact: BOB FAIR
Title: PURCHASING AGENT
Telephone NO.: (609) 965-4611a EXT: _____
Facility EPA ID #: NJD 087092 391

Bill To: CUTE INC
Address: 103 GODWIN AVE BOX 337
City, State, Zip: MIDLAND PARK, NJ 07432
Telephone #: 201-636-7125
Company Contact: DEBBIE BIELENDOWSKI
Container Size: 55gal x DRUMS
EPA Waste No. D001 F003
Generating Process: BOAT MANUFACTURING
Common Name of Waste: WASTE PAINT RELATED MATERIALS
Rate of Generation: 20 x 55gal PER QUARTER
(# Units) (Units) (Time Interval)
Volume in Storage: 20 x 55gal IN METAL DRUMS
(# Units) (Units) (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: RQ WASTE, FLAMMABLE SOLID NOS
Hazard Class: ~~Solid~~ FLAMMABLE ID No.: UN 1325
Transportation Equipment: BOX TRAILER
Placarding: FLAMMABLE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

PAINT EMBEDDED, DEBRIS	90-95 %
ACETONE	5-10 %
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm)

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Fluorine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm)

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2, 4-D	NS		
2,4,5-T	NS		
Phenolics	NS		
PCBs	NS		
Dioxin	NS		
TOC	NS		

DE0052056

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phases/Layering	[X] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[ ] High	[ ] Medium	[ ] Low	
Type of Solids	[ ] Organic	[ ] Inorganic	[X] Mixed	

Total Solids (wt. %): 99-100 Suspended Solids (wt. %): _____
BTU/lb: 12K-13K % Ash Content: 1-3 % Water (by weight): <1
Flash Point (°F): <140 Type: CLOSED CUP
Specific Gravity: <1
Boiling Point, (°C): UNKNOWN Freezing Point, (°C): UNKNOWN
Vapor Pressure, (mm Hg @ 24°C): UNKNOWN
pH (Avg): 6 (Range): 5 to 7
Total Alkalinity/Acidity (%): _____
Odor: SOLVENT
Color: MULTI-COLORED

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable
[ ] Corrosive	[X] Toxic Vapor	[X] Ignitable
[ ] Biological	[ ] Etiological	[ ] Pathogen
[ ] Other _____		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: Some precautions as with any other flammable. Goggles, Aprons, GLOVES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 4/28/89 GENERATOR'S SIGNATURE: _____

US V. MSP PRODUCED BY MSP 9/93 Releasable
BOX 5 FOLDER 1 REQUEST # 1-1-1
MSD054
2 1 4 1

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MCDS Document # _____

SEP 26 1989

MSP CODE: CUTE/OYT/8905118

8905118

Generator Name: OCEAN YACHT II
Facility Address: 901 ST LOUIS AVE
City, State, Zip: EGG HARBOR NJ 08215
Technical Contact: ROBERT MITSCHEP
Title: VP
Telephone NO. (609) 965-2811 EXT:
Facility EPA ID #: NJD 184 307 311

Bill To: CUTE INC 103 GODWIN AVE BOX 337 MIDLAND PARK NJ
Company Contact: DEBBIE BLENDOWSKI
Container Size: 55 gal. FOR DOT
EPA Waste No.
Generating Process: BOAT MANUFACTURE
Common Name of Waste: PAINT RELATED MATERIAL
Rate of Generation: 375 gal PER QUARTER
Volume in Storage: 375 gal IN 55 gal. metal DRUMS

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: RQ WASTE FLAMMABLE SOLID N.O.S.
Hazard Class: FLAMMABLE ID No. UN 1325
Transportation Equipment: BOX TRAILER
Placarding: FLAMMABLE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

PAINT, FIBERGLASS, DEBRIS	90-95 %
ACETONE	5-10 %
	%
	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	N.S	Silver (Ag)	N.S
Barium (Ba)	N.S	Copper (Cu)	N.S
Cadmium (Cd)	N.S	Nickel (Ni)	N.S
Chromium (cr)	N.S	Zinc (Zn)	N.S
Lead (Pb)	N.S		
Mercury (Hg)	N.S		
Selenium (Se)	N.S		

INORGANICS (mg/l or ppm)

Total CN	N.S	Iodine	N.S
Free CN	N.S	Asbestos	N.S
Sulfide	N.S		
Chloride	N.S		
Bisulfite	N.S		
Sulfite	N.S		
Sulfate	N.S		
Phosphate	N.S		
Flourine	N.S		
Bromine	N.S		
Chlorine	N.S		

ORGANICS (mg/l or ppm)

Endrin	N.S	Organohalide	N.S
Methoxychlor	N.S	Mercaptans	N.S
Toxaphene	N.S		
2, 4-5	N.S		
2,4,5-T	N.S		
Phenol(ics)	N.S		
PCBs	N.S		
Dioxin	N.S		
TOC	N.S		

PHYSICAL DESCRIPTION

Physical State	[X] Liquid	[ ] Semi-solid	[X] Solid
Phases/Layering	[ ] Uni-Layer	[ ] Bilayer	[X] Multilayer
Viscosity	[ ] High	[ ] Medium	[ ] Low
Type of Solids	[ ] Organic	[ ] Inorganic	[X] Mixed

Total Solids (wt. %) 95-99 Suspended Solids (wt. %) 0-5
BTU/lb 12K-13K Ash Content 1-3 % Water (by weight) 5-7
Flash Point (°F) < 140 Type CLOSED CUP
Specific Gravity
Boiling Point, (°C) UNKNOWN Freezing Point, (°C) UNKNOWN
Vapor Pressure (mm Hg @ 24°C) UNKNOWN
pH (Avg) 6 (Range) 5 to 8
Total Alkalinity/Acidity (%)
Odor SOLVENT
Color MULTI COLORED

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE	
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive	
[ ] Radioactive	[ ] Pesticide Residuals	[X] Ignitable	
[ ] Corrotive	[X] Toxic Vapor	[ ] Polymrizable	
[ ] Biological	[ ] Etiological	[ ] Pathogen	
[ ] Other			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: SAME PRECAUTIONS AS WITH ANY OTHER FLAMMABLE MATERIAL - GOGGLES, GLOVES, APRON

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

X DATE 9-6-89 GENERATOR'S SIGNATURE X Robert Mitsch

DEM052057

US V. MSP PRODUCED BY MSP 9/93 Releasable
BOX 5 REQUEST # 1-1766
MSD054
2145

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015896

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: LKD010612126 | Manifest Document No.: 17414185196

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
3M PRINTING & PUBLISHING SYSTEMS DIV. ATTN: ANN WHITE
P. O. BOX 709, WEATHERFORD, OK 73096

4. Generator's Phone (405) 772-5501

5. Transporter 1 Company Name: 3M PRIVATE CARRIAGE
6. US EPA ID Number: MND006173082

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID: MND006173082
D. Transporter's Phone: 612-736-1042
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol.	15. Waste No.
a. Hazardous Waste Solid, N.O.S.*(1,1,2-Trichloroethane) ORM-E, NA9189	44	DM	32110	P	U227 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE
1,1,2-Trichloroethane-contaminated soil, gravel, and water.
Acceptance No.: WEAT-/WEAT-9002910

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
In case of emergency or spill, immediately call 3M at 612-733-6100
IF UNABLE TO DELIVER, RETURN TO GENERATOR

PLACARDS NOT REQUIRED
Land Disposal Restrictions Certification Information Attached.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
ANN WHITE	Ann White	10	26	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Abraham Brown	Abraham Brown	10	26	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
DEQ052058

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Gail Leonard	Gail Leonard	11	13	90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator DEQ FORM LDW 1 (8/88)

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OS V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2 1 9 6

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MATERIALS CHARACTERIZATION DATA SHEET

RINE SHALE PROCESSORS, INC
) James Drive West, Suite 120
Rose, LA 70087
1-465-3310

MAY 25 1990

9002910

For MSP Use Only

Approval Code WEAT/WEAT/9002910

A. Generator Information

erator Name 3M Westherford OK
Address Box 709
Westherford State OK Zip Code 73096
erator Contact Norbert Hoffman
Environmental Engineer
phone No. (405) 774-3586
ry EPA I.D. No. OKD 062267448

B. Customer Information

Company Name Same
Contact
Address
Telephone No. ( )
For Customer Use

Regulatory Information

RCRA Regulated ☒ Land Ban ☐ Non-Regulated EPA Waste Code(s) U227

Chemical Composition

TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.

	MIN	MAX
1-1-2-Trichloroethane	0.5%	5%
Dirt-Gravel-Water	95%	100%

ommon Name of Waste:

C. General Characteristics

lor: Red Dirt
or: ☐ None ☒ Mild ☐ Strong
Liquid ☐ Sludge ☒ Solid ☐ Powder
ase ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

Physical/Chemical Properties

h (list actual Wt %): 100 %
Vs per lb (actual value): 0
Water (Wt %): ☐ <1 ☐ 5-10 ☒ 1-5 ☐ >10 — list actual
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☒ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7 — list actual
Viscosity (for bulk liquids only): list actual in centipoise: NA cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ >20 — list actual
pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 ☐ >12.5 — list actual

sh Point (closed cup): ☐ <100°F ☐ 100°-140°F ☐ 140°-200°F ☐ >200°F — None °F actual
Sulfur (Wt %): ☒ <5 ☐ >5 list actual value
Halogens (Wt %): ☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine — <1 / 1-5 / 5-10; 2 actual Wt %
If >10 list actual Wt %

DEQ052059

ecals: EP Toxicity Test (MG/L)

Arsenic (As)	NS	Selenium (Se)	NS
Barium (Ba)	NS	Silver (Ag)	NS
Cadmium (Cd)	NS	Copper (Cu)	NS
Chromium (Cr)	NS	Nickel (Ni)	NS
Lead (Pb)	NS	Zinc (Zn)	NS
Mercury (Hg)	NS		

N.S-Pure Compound Tested

Organics (ppm): Endrin NS; Lindane NS; Methoxychlor NS; Toxaphene NS; 2,4-D NS

If material contains the following compounds, indicate actual ppm: PCB NS; Cyanides NS; Sulfides NS

DOCUMENT PRODUCED BY MSP 9/93 REQUEST # 1
US V. MSP
BOX 5
Hazardous Waste
MSD054
214

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1722
BOX 15
Manifest, MCOS

MSD054

H. Notes, Additional Information or Special Handling Instructions

Use general safety precautions for handling Chlorinated Solvents

Generating Process:

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

See H above

J. Shipping Information

DOT Hazardous Material Y (N)
Proper Shipping Name ORM-E
DOT I.D. No. (circle one) UN (NA) 9189
Hazard Class
RQ
Anticipated Volume 188 (Drums) Gal Yds³ Lbs ☐ Bulk ☐ Roll
Container Size 55 gallon Container Type DOT 17H drums
Per ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Gene A Johnson
Generator's Signature Gene A Johnson 5-24-90

2. Gene A Johnson
Name (Type or Print)

3. 5-17-90
Date

4. Environmental Specialist
Title

DEQ052060

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

2148

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

11/24

RECYCLE / REUSE

MANIFEST No. 015442

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CA1118101019 Manifest Document No. 11514 B

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
US. Postal Service
2535 Midway dr. San Diego, Ca 92121

4. Generator's Phone (619) 221-3232

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: James Murphy — 6. US EPA ID Number: VIAD981212102 14

C. State Transporter's ID: 101452

D. Transporter's Phone: 619-723-5871

7. Transporter 2 Company Name: The Patterson Group — 8. US EPA ID Number: CAD 982369993

E. State Transporter's ID: 014187

F. Transporter's Phone: 818-336-7200

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706

G. State Facility's ID

H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	L Waste No.
a. Waste Flammable liquid, N.O.S/Flammable/UN1993	0101	DM	001510	G	D001 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
a) Paint Waste accept → JMUR/USCA/9003020

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Wear appropriate protective gear
EMERGENCY CONTACT: 818-336-7200

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
CORNELIUS BINGHAM	C Bingham	10 11 4 90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
James Murphy	James Murphy	10 11 4 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Eric D. Patterson	E D P	10 11 15 90

19. Discrepancy Indication Space
DEQ052061

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
GINA PASSETT	Gina K. Passett	10 16 90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ, GREEN – Generator, YELLOW – TSDRF, BLUE – Transporter 2, PINK – Transporter 1, GOLD – Generator

GENERATOR | TRANSPORTER | FACILITY

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PRODUCED BY KBP 9/93 Releasable

MSD054

2149

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

JUN 0 1 1990

9003020

For MSP Use Only

Approval Code JMUR/USCA/9003020

A. Generator Information

Generator Name US Postal Service
Site Address 2535 Midway dr
City San Diego State Ca Zip Code 92121
Generator Contact John Barber
Title Vehicle mgr
Telephone No. (619) 221-3232
Facility EPA I.D. No. CA2180090225

B. Customer Information

Company Name James Murphy
Contact Dennis Lynch
Address 3840 Reche rd
Fallbrook Ca 92028
Telephone No. (619) 723-5871
For Customer Use
Paint Waste

C. Regulatory Information

■ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D-001

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Paint	24	34
Paint thinner	45	55
ink	1	11

Common Name of Waste: Paint waste

E. General Characteristics

Color: Mixed
Odor: ☐ None ■ Mild ☐ Strong
■ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phases ■ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 17
BTU's per lb (list actual value): 11500
Water (Wt %): ■ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ■ 1.0-1.2 ☐ > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): ■ 5-20 ☐ if > 20 list actual
pH: ☐ 2-6 ■ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual

Flash Point (closed cup): ■ < 100°F ☐ > 200°F ☐ 100°-140°F ☐ 96 °F actual ☐ 140°-200°F
Sulfur (Wt %): ■ < 5 if > 5 list actual value

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	■	☐	☐	
☐ Bromine	■	☐	☐	
☐ Chlorine	■	☐	☐	
☐ Fluorine		actual	Wt %	

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052062

US v. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1
Box 5 Exhibit 1 Pages 1-2
Manifest, MSDS

MSD054

2150

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: Vehicle maintenance

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

Wear appropriate protective gear

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: Waste Flammable Liquid, N.O.S. DOT I.D. No. (circle one) UN/NA UN1993

Hazard Class: Flammable RQ

Anticipated Volume: 1 ☐ Drums ☐ Gal ☐ Yds ☐ Lbs ☐ Bulk ☐ Rail

Container Size: 55 gal Container Type: DM

Per: ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] Generator's Signature

2. JOHN BARBER Name (Type or Print)

3. 5/25/90 Date

4. Mgr. Vehicle Services Title

DEQ052063

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DB V. HSP Releasable PRODUCED BY HSP 9/93

BOX 5 REQUEST # 1166

MSD054

2191

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 014974

Form Approved. OMB No: 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982101619 — Manifest Document No. 14974 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
North County Mercury
5434 Paseo Del Norte, Carlsbad, Ca 92008

4. Generator's Phone (619) 438-5434

5. Transporter 1 Company Name: James Murphy — US EPA ID Number: CAD982527024

7. Transporter 2 Company Name: The Patterson Group — 8. US EPA ID Number: CAD982369993

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706

Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. Waste Flammable Liquid, N.O.S./Flammable/UN1993	001	DM	00055	G	D001 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE
a) Paint Waste accepted with Non-PCB Oil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: 818-336-7200
Wear appropriate protective gear

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JAMES W. PATTERSON — Signature: [signature] — Month Day Year: 06 11 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: James Murphy — Signature: [signature] — Month Day Year: 10 1 14 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eric Patterson — Signature: [signature] — Month Day Year: 10 1 16 90

19. Discrepancy Indication Space
DEQ052064

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Gina Patrick — Signature: [signature] — Month Day Year: 11 26 90

WHITE - DEQ GREEN - Generator YELLOW - TODDE BLUE - Transporter 2 PINK - Transporter 1

GENERATOR / TRANSPORTER / FACILITY

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US v. MSP — Releasable — PRODUCED BY MSP 9/93 — BOX 5 — REQUEST # MSP-1 — MSD054

MSD054

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 04 1990

9002122

For MSP Use Only

Approval Code TMUR/NCM/9002422

A. Generator Information

Generator Name North County Mercury
Site Address 5434 Paseo Del Norte
City Carlsbad State Ca Zip Code 92008
Generator Contact James Bittman
Title mgr
Telephone No. (619) 438-5434
Facility EPA I.D. No. CAD982016974

B. Customer Information

Company Name James Murphy
Contact Dennis Lynch
Address 3840 Reche rd
Fallbrook, Ca 92028
Telephone No. (619) 723-5871
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D-001

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Waste Paint	25	75
Waste Thinner	25	75

Common Name of Waste:

E. General Characteristics

Color: mixed

Odor: ☐ None ☒ Mild ☐ Strong

☐ Liquid ☒ Sludge ☐ Solid ☐ Powder

Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive†	Y	(N)	Polymerizable†	Y	(N)
Infectious†	Y	(N)	Pyrophoric†	Y	(N)
Water Reactive†	Y	(N)	Explosive†	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 15

BTU's per lb (list actual value): 15000

Water (Wt %): ☒ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual _____

Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☒ 1.0-1.2 ☐ > 1.7 list actual _____

Viscosity (for bulk liquids only) list actual in centipoise _____ cp

Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual _____

pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual _____

Flash Point (closed cup): ☒ < 100°F ☐ > 200°F ☐ _____ °F actual ☐ 100°-140°F ☐ 140°-200°F

Sulfur (Wt %): ☒ < 5 ☐ if > 5 list actual value _____

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine		actual Wt %		

DEQ052065

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

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2153

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BOX 5

H. Notes, Additional Information or Special Handling Instructions

Generating Process: Automotive Painting

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

Wear protective gear

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: Waste Flammable Liquid, N.O.S DOT I.D. No. UN/NA (circle one) UN1993

Hazard Class: Flammable RQ

Anticipated Volume: 1 Drums Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size: 55 gallon Container Type: DM

Per ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

→ 1. James W Bittman
Generator's Signature

2. JAMES W. BITTMAN
Name (Type or Print)

→ 3. 4/26/90
Date

4. MANAGER
Title

DEQ052066

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

MSD054
2194

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015957

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 981411919 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Johnson's Automotive Machine
201 E Huntington Dr Monrovia CA 91016

4. Generator's Phone (818) 359-2718

5. Transporter 1 Company Name: Odyssey Trans

6. US EPA ID Number: CAD 981321101011 9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD 981057016

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID: 101.441

D. Transporter's Phone: (213) 426-3901

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone: (504).631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE SOLID, N.O.S. ORM-E NA9189	0013	DM	00165	G	D009 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
EREC/JM/9002618

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Gloves & goggles

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: DONALD L. JOHNSON — Signature: Donald L. Johnson — Month Day Year: 11/12/1990

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John D. Coster — Signature: John D. Coster — Month Day Year: 06/21/1990

TRANSPORTER

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052067

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA BASSETT — Signature — Month Day Year: 11/21/90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ, GREEN – Generator, YELLOW – TSDRF, BLUE – Transporter 2, PINK – Transporter 1, GOLD – Generator

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MSD054

215 FL

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 012121

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 0 8 3 8 4 5 8 9 8 0 8 0 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MCDONNELL DOUGLAS SPACE SYSTEM COMPANY
5301 BOLSA AVE
HUNTINGTON BEACH, CA 92647
TOM ROBINSON
A67-2, DEPT. 715

4. Generator's Phone (714) 896-2065 (24 HRS)

A. State Manifest Document Number 012121

B. State Generator's ID #HAZ096-009352

5. Transporter 1 Company Name: DISPOSAL CONTROL SERVICE, INC.

6. US EPA ID Number: C A T 0 8 0 0 3 4 1 8 4

C. State Transporter's ID 007290

D. Transporter's Phone 714-983-0342

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: L A D 9 8 1 0 5 7 7 0 6

G. State Facility's ID

H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. WASTE OXIDIZER, N.O.S., OXIDIZER, UN 1479 (D001)	008	DF	04810	P	D001 R
b. WASTE OXIDIZER, N.O.S., OXIDIZER, UN 1479 (D001)	008	DF	04010	P	D001 R
c. WASTE OXIDIZER, CORROSIVE, SOLID, N.O.S., OXIDIZER, NA 9194 (D001, D002)	012	DF	01110	P	D001, R D002
d. HAZARDOUS WASTE LIQUID, N.O.S., ORM-E, NA 9189	005	DF	00375	P	NON-REGULATED R

J. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE

IIa) MDAH/MDAH/8802365/DFO - CRUSHED CHROMIC ACID CANS

IIb) MDAH/MDAH/8804605/DFO - CHROMIC ACID CONTAMINATED

IIc) MDAH/MDAH/8900853/DFO - MISC. CONTAMINATED

IId) MDAH/MDAH/8906322/DFO - FLOOR STRIPPER/SEALER

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR
SITE WO# 0767000006
TRANS. WO# 0767000026

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
FRED MELILLO	Fred Melillo ON BEHALF OF MDSSC	10	21	90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Phil Martin		10	21	90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

DEQ052068

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Jeanie Labranche		10	21	90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TODAY BLUE – Transporter PINK – GOLD

GENERATOR | TRANSPORTER | FACILITY

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MSD054

2168 F

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 012122

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: CAD 010 018 138 145 188 191 010 018 12

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MCDONNELL DOUGLAS SPACE SYSTEM COMPANY
5301 BOLSA AVE
HUNTINGTON BEACH, CA 92647

4. Generator's Phone (714) 896-2065 (24 HRS) — TOM ROBINSON A67-2, DEPT 715

A. State Manifest Document Number: 007290

B. State Generator's ID: HAH936-009-352

5. Transporter 1 Company Name: DISPOSAL CONTROL SERVICE, INC.

6. US EPA ID Number: CAT 010 010 134 118 14

C. State Transporter's ID: 007290

D. Transporter 1 Phone: 714-983-0342

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter 2 Phone:

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD 981 057 016

G. State Facility's ID:

H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE LIQUID, N.O.S., ORM-E, NA 9189	0012	DF	001010	P	NON REGULATED
b. WASTE CORROSIVE SOLID, N.O.S., CORROSIVE MATERIAL, UN1759 (D002)	0012	DF	001010	P	D002
c. HAZARDOUS WASTE LIQUID, N.O.S., ORM-E, NA 9189	0136	DF DM	101810	P	NON REGULATED
d.					

J. Additional Descriptions for Materials Listed Above — K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR
SITE WO# 076700006
TRANS. WO# 076700006
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
FRED MELILLO	Fred Melillo ON BEHALF OF MDSSC	10	16	1990

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
PHIL MACKIN	Phil Mackin	10	16	1990

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
DEQ052069

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Travis Talmage	Travis Talmage	10	16	1990

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DS V. MSP
REQUEST # MSD054
BOX 5
Hartford, MSDS

MSD054

2191

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MSD054

2158

RECEIVED MAR 26 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: MDAH/MDAH/88023BS/ /DFO

Date printed: 2/27/90 Rep.ID: ERG

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: MCDONNELL DOUGLAS ASTRONAUTS
Telephone: (714) 896-4861 x.0000
Facility Address: 5301 BOLSA AVE.
USEPA ID: CAD008384588
ENVIR. A-67-2 DEPT. 715
HUNTINGTON BEACH, CA 92647-0000

Name of Waste: EMPTY CONTAINERS
Generating Process: USAGE OF CHEMICAL
Technical Contact: MR. TOM ROBINSON
Title: MR. FRED MELILLO - HAZ WASTE MANAGER

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☒ yes ☐ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

#2- PLEASE INCLUDE EMPTY, CRUSHED POTASSIUM PERMANGANATE CONTAINERS IN THIS WASTE STREAM

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) FIBER / 20 GAL

Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 20 DRUMS

Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

DEQ052070

Name: FRED MELILLO
Signature: Fred Melillo

Title: HAZ WASTE MANAGER
Date: MARCH 23, 1990

MSP Form 1040-R (November 89)

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name McDONNELL DOUGLAS SPACE SYSTEMS CO.
Site Address 5301 BOLSA AVE
City HUNTINGTON BEACH State CA Zip Code 92647
Generator Contact FRED MELILLO
Title HAZ WASTE MANAGER
Telephone No. (714) 896-4861 OR 896-4833
Facility EPA I.D. No. CAD 008 384588

B. Customer Information

Company Name McDONNELL DOUGLAS SSD
Contact TOM ROBINSON
Address 5301 BOLSA AVE., BLDG. A672, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-4861
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
EMPTY CHROMIC ACID CONTAINERS	80	90
EMPTY POTASSIUM PERMANGANATE CONTAINERS	5	9.6
CHROMIC ACID RESIDUE	.1	.2
POTASSIUM PERMONGANATE RESIDUE	.1	.2

Common Name of Waste: EMPTY OXIDIZER CONTAINERS

E. General Characteristics

Color: VARIOUS
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 20
BTU's per lb (list actual value): 1000
Water (Wt %): ☒ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 — list actual NONE
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☒ 1.0-1.2 ☐ > 1.7 — list actual _____
Viscosity (for bulk liquids only) list actual in centipoise: SOLID cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 — list actual SOLID
pH: ☒ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 — list actual 5.0

Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ _____ °F actual
Sulfur (Wt %): ☒ < 5 ☐ if > 5 list actual value _____

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine	0 actual			Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	.001	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEC052071

MSD054

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REQUEST # 1-1111111111

H. Notes, Additional Information or Special Handling Instructions

Generating Process: USAGE OF CHEMICALS

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: WASTE OXIDIZER, N.O.S

DOT I.D. No. (circle one) (UN) NA 1479

Hazard Class: OXIDIZER

(RQ) 100 LB

Anticipated Volume: (Drums) 20 Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size: 30 GAL Container Type: FIBER

Per ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. March 23, 1990 — Date

4. HAZ WASTE MANAGER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052072

MSP Form 1040 B Rev. 10/89

MSD054

2180

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # _____

MSP CODE: MDAH/MDAH-EP02315-DFD

MAR 28 1988

DIRECT FEED ONLY

#1 Generator Name McDonnell Douglas H.B.
Facility Address 5301 Bolsa Ave
Building A67-2
City, State, Zip Huntington Beach CA 92647
Technical Contact Tom Robinson
Title Haz Waste Manager
Telephone No. (714) 896-4861 (X1: _____
Facility EPA ID # CAD009394588

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)
Chromic Acid Containers 100 %
Empty and Crushed _____ %
May Have Residual Chromic _____ %
Acid Contamination _____ %
_____ %
_____ %

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	N/D	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

#6 Bill To: McDonnell Douglas
Company Contact: Tom Robinson
Container Size: 17-H DOT 55 gal and/or 85 gal
EPA Waste No. D001
Generating Process Empty Containers Crushed
Common Name of Waste Empty Containers
Rate of Generation 2 (Quant.) Dm (Interval) PER MO (Interval Measure)
Volume in Storage 6 (Quant.) Dm (Interval) IN MO (Container Size and Type)
Is Waste DOT Hazardous |X| YES | | NO
Proper DOT Shipping Name OXIDIZER, NOS
Hazard Class OX ID No. UN1479
Transportation Equipment Flat Bed
Placarding OXIDIZER

#7 PHYSICAL DESCRIPTION

Physical State	| | Liquid	| | Semi-solid	|X| Solid	
Phases/Layering	N/A | | Uni-Layer	| | Bilayer	| | Multilayer	
Viscosity	N/A | | High	| | Medium	| | Low	
Type of Solids	N/A | | Organic	| | Inorganic	| | Mixed	

Total Solids (wt. %) 100 Suspended Solids (wt. %) _____
BTU/lb 1000 % Ash Content 20 % Water (by weight) <1
Flash Point (F°) N/A Type N/A
Specific Gravity N/A
Boiling Point, (°C) N/A Freezing Point, (°C) N/A
Vapor Pressure (mm Hg @ 24°C) N/A
pH (Avg) 4 (Range) 3 to 5
Total Alkalinity/Acidity (%) N/A
Odor None
Color Red

#8 HAZARDOUS PROPERTIES

| | Water Reactive	| | Reactive	| | NONE	
| | Shock Sensitive	| | Pyrophoric	| | Explosive	
| | Radioactive	| | Pesticide Residuals	| | Polymerizable	
| | Corrosive	| | Toxic Vapor	| | Ignitable	
| | Biological	| | Etiological	| | Pathogen	
| | Other OXIDIZER			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: Wear Gloves and Goggles, Steel Toe Boots When Handling Drums

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052073

DATE _____ GENERATOR'S SIGNATURE: _____

Approved for Profile

1 drum sugar, mong on 20 gal. pail

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CB V. MSP PRODUCED BY MSP 9/93 Retainable

MSD054

2181

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RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: MDAH/MDAH/88016051/ /RFO

Date printed: 4/30/90 Rep.ID: ERQ

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: MCDONNELL DOUGLAS ASTRONAUTS
Telephone: (714) 896-4861 x.0000
Facility Address: 5301 BOLSA AVE.
USEPA ID: CAD008381588
ENVIR. A-67-2 DEPT. 715
HUNTINGTON BEACH, CA 92647-0000

Name of Waste: CHROMICACID CONTAMINATED WASTE
Generating Process: CLEAN-UP
Technical Contact: MR. TOM ROBINSON
Title: MR. FRED MELILLO - HAZ WASTE MGR

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☑ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☑ no
3. Have you changed the waste generating process itself? ☐ yes ☑ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☑ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☑ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) POLY, FIBER/30 GAL OR LESS

Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 20 DRUMS

Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: FRED MELILLO Signature: Fred Melillo

Title: HAZ WASTE HANDLING MANAGER Date: MAY 21, 1990

DEQ052074

MSP Form 1040-R (November 89)

U.S.V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # _____ BOX # 5 Material Misc.

MSD054

2182

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name: McDONNELL DOUGLAS SPACE SYSTEM CO.
Site Address: 5301 BOLSA AVE
City: HUNTINGTON BEACH State: CA Zip Code: 92647
Generator Contact: FRED MELILLO
Title: HAZ WASTE HANDLING MANAGER
Telephone No. (714) 896-4861
Facility EPA I.D. No.: CAD 008 384 588

B. Customer Information

Company Name: McDONNELL DOUGLAS SPACE SYSTEM CO
Contact: TOM ROBINSON
Address: 5301 BOLSA AVE., A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-4861
For Customer Use

C. Regulatory Information

[X] RCRA Regulated [ ] Land Ban [ ] Non-Regulated EPA Waste Code(s): D001

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
CHROMIC ACID-CONTAMINATED WOOD, RAGS, GLOVES, PLASTIC CONTAINERS, PLASTIC LINERS FROM DIP TANK, VISQUEEN, SOLID-A-SORB/VERMICULITE, BROOM HEADS, METAL SCREWS OR WASHERS, DEBRIS	99	100

Common Name of Waste: CHROMIC ACID-CONTAMINATED WASTE

E. General Characteristics

Color: VARIOUS
Odor: [X] None [ ] Mild [ ] Strong
[ ] Liquid [ ] Sludge [X] Solid [ ] Powder
Phases: [X] Single Layer [ ] Double Layer [ ] Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 20
BTU's per lb (list actual value): 1000

Water (Wt %): [X] <1 [ ] 5-10 [ ] 1-5 [ ] if > 10 list actual _____

Specific Gravity: [ ] < 0.8 [ ] 1.2-1.4 [ ] 0.8-1.0 [ ] 1.4-1.7 [ ] 1.0-1.2 [ ] > 1.7 list actual SOLID

Viscosity (for bulk liquids only) list actual in centipoise: SOLID cp

Total Suspended Solids (Wt %-for bulk liquids only): [ ] 5-20 [ ] if > 20 list actual SOLID

pH: [X] 2-6 [ ] 6-10 [ ] 10-12.5 [ ] if < 2 or > 12.5 list actual _____

Flash Point (closed cup): [ ] < 100°F [X] > 200°F [ ] _____°F actual

Sulfur (Wt %): [X] < 5 [ ] if > 5 list actual value _____

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
[ ] Iodine	[X]	[ ]	[ ]	
[ ] Bromine	[X]	[ ]	[ ]	
[ ] Chlorine	[X]	[ ]	[ ]	
[ ] Fluorine	0 actual Wt %			

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	4.5	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0		
Cyanides	0		
Sulfides	0		
Dioxin	0		

DEQ052075

US V. MSP Released to Public
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BOX 5 - [illegible]
[illegible]

MSD054

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: CLEAN-UP PROCESS, EMPTY CONTAINERS

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: WASTE OXIDIZER, N.O.S. DOT I.D. No. (circle one) (UN) NA 1479

Hazard Class: OXIDIZER RQ

Anticipated Volume: (Drums) 20 Gal Yds Lbs ☐ Bulk? ☐ Rail?

Container Size: 30 GAL OR LESS Container Type: POLY OR FIBER

Per ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. MAY 21, 1990 — Date

4. HAZ WASTE HANDLING MANAGER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052076

US v. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-1-1-

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OS V. HSP Releasable
PRODUCED BY HSP 9/93
REQUEST #
BOX #

MCDONNELL DOUGLAS

McDonnell Douglas Space Systems Company

22 May 90
FJM: 90-033

Dawn Patterson
C/O Marine Shale Processors, Inc.
110 James Drive West
Suite 120
Saint Rose, LA 70087

Dear Dawn,

Enclosed please find five recertifications of wastes that we generate at McDonnell Douglas. If you have any questions please don't hesitate to contact me. Thank you for your continued fine service.

Sincerely

Fred Melillo

Fred Melillo
Hazard Waste Handling Manager

MSD054

DEQ052077

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MAY 30 1989

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # _____ SALES (504) 465-3310 MSP CODE: MDAH/MDAH-890605-DFC

JUN 17 1989

Generator Name: McDonnell Douglas H.B. | Bill To: McDonnell Douglas
Facility Address: 2401 Balsa Ave | Company Contact: Tom Robinson
Building A67-2 | Container Size: 17-H DOT Steel and/or 30 Gal
EPA Waste No. D001
Generating Process: SPILL CLEAN-UP, DIP TANKS
Common Name of Waste: CHROMIC ACID CONTAMINATED
Rate of Generation: 1.5 DM per YR
Volume in Storage: 17 DM in 55 GAL MRD
City, State, Zip: Huntington Beach CA 92647
Technical Contact: Tom Robinson
Title: Haz Waste Manager
Telephone: (714) 896-4961 Ext:
Facility EPA ID #: CAD008389588

6 CHEMICAL COMPOSITION (No Trade Name)

Totals must add up to 100%

CHROMIC ACID-CONTAMINATED	100 %
WOOD, RAGS, GLOVES, PLASTIC	%
CONTAINERS (CUT-UP), PLASTIC	%
LINERS FROM DIP TANK, VISQUEEN,	%
SOLID-A-SORB, BROOM HEADS,	%
AND DEBRIS	%
	%

7 PHYSICAL DESCRIPTION

Physical State: | | Liquid | | | Semi-solid | |X| Solid
Phases/Layering: N/A | | One-Layer | | | 2-layer | | | Multilayer
Viscosity: N/A | | High | | | Medium | | | Low
Type of Solids: N/A | | Organic | | | Inorganic | | | Mixed
Total Solids (wt. %): 100 Suspended Solids (wt. %):
BTU/lb: 1000 % Ash Content: 20 % Water (by weight): 2
Flash Point (F): N/A Type: N/A
Specific Gravity: N/A
Boiling Point, (°C): N/A Freezing Point, (°C): N/A
Vapor Pressure (mm Hg @ 24°C): N/A
pH (Avg): 4 (Range): 3 to 5
Total Alkalinity/Acidity (%): N/A
Odor: NONE
Color: GREEN

3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	N/D	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluoride	0		
Bromine	0		
Chlorine	0		

5 ORGANICS (mg/l or ppm)

Freon	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4,D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

8 HAZARDOUS PROPERTIES

	NONE		
	Water Reactive		Reactive		Explosive
	Shock Sensitive		Pyrophoric		Polymerizable
	Radioactive		Pesticide Residuals		Ignitable
	Corrosive		Toxic Vapor		Pathogen
	Biological		Etiological		
	Other: OXIDIZER				

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: WEAR Gloves AND Goggles, Steel Toe Boots When Handling DRUMS

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

Date: 6-13-89 Generator's Signature: _____ Date: 6/14/89

DEQ052078

DOT Specification 5 Authorized Hazardous Waste
US V. MSP PRODUCED BY MSP 9/93 Released
REQUEST # 1-1-1
MSD054
2168

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # 880405

MSP CODE: MDAH/MDAH-FROM05-DFO

JUN 17 1988

#1 Generator Name: McDonnell Douglas H.B.
Facility Address: 5301 Bolsa Ave
Building A67-2
City, State, Zip: Huntington Beach CA 92647
Technical Contact: Tom Robinson
Title: Haz Waste Manager
Telephone NO.: 714, 896-4861 EXT:
Facility EPA ID #: CAD083845889

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

CHROMIC ACID-CONTAMINATED	100 %
WOOD, RAGS, GLOVES, PLASTIC	%
CONTAINERS (CUT-UP), PLASTIC	%
LINERS FROM DIPTANK, VISQUEEN,	%
SOLID-A-SORB, BROOM HEADS,	%
AND DEBRIS	%
	%

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	N/D	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

DERO52079

#6 Bill To: McDonnell Douglas
Company Contact: Tom Robinson
Container Size: 17-H DOT 55 gal AND/OR 30 gal
EPA Waste No. D001
Generating Process: SPILL CLEAN-UP, DIPTANK
Common Name of Waste: CHROMIC ACID CONTAMINATED WASTE
Rate of Generation: 15 (Quan) DM (Unit) PER YR (Time Period)
Volume in Storage: 17 (Quan) DM (Unit) IN 55 GAL MID 30 (Container Size and Type) FIB. DRU.
Is Waste DOT Hazardous: [X] YES [ ] NO
Proper DOT Shipping Name: OXIDIZER, N.O.S.
Hazard Class: OX ID No.: UN 1479
Transportation Equipment: FLAT BED
Placarding: OXIDIZER

#7 PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phases/Layering (N/A)	[ ] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity (N/A)	[ ] High	[ ] Medium	[ ] Low	
Type of Solids (N/A)	[ ] Organic	[ ] Inorganic	[ ] Mixed	

Total Solids (wt. %): 100 Suspended Solids (wt. %):
BTU/lb: 1000 % Ash Content: 20 % Water (by weight): <1
Flash Point (°F): N/A Type: N/A
Specific Gravity: N/A
Boiling Point, (°C): N/A Freezing Point, (°C): N/A
Vapor Pressure (mm Hg @ 24°C): N/A
pH (Avg.): 4 (Range): 3 to 5
Total Alkalinity/Acidity (%): N/A
Odor: NONE
Color: GREEN

#8 HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] Explosive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Polymerizable	
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Ignitable	
[ ] Corrosive	[ ] Toxic Vapor	[ ] Pathogen	
[ ] Biological	[ ] Etiological		
[ ] Other: OXIDIZER			

30 gal drums only

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: WEAR Gloves AND Goggles, Steel Toe Boots WHEN HANDLING DRUMS

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 5
BOX # 5
MSD054
218

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: MDAH/MDAH/89000853/ /DFO

Date printed: 1/08/90 Rep.ID: MJJ

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: JAN 31 1990

MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: MCDONNELL DOUGLAS ASTRONAUTS
Telephone: (714) 896-4861 x.0000

Facility Address: 5301 BOLSA AVE.
ENVIR. A-67 DEPT. 715
HUNTINGTON BEACH, CA 92647-0000
USEPA ID: CAD009381588

Name of Waste: PASA JELL CONTAMINATED WASTE
Generating Process: CLEAN-UP

Technical Contact: MANAGER HAZ WASTE HANDLING
Title: MR. FRED MELILLO

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☑ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☑ no
3. Have you changed the waste generating process itself? ☐ yes ☑ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☑ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☑ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☑ Drum (type/size) FIBER, PAIL / 10-30 GAL

Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 5-10 DRUMS

Per: ☐ One Time ☐ Week ☐ Month ☑ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

DEQ052080

Name: FRED MELILLO
Signature: Fred Melillo

Title: HAZ WASTE HANDLING MANAGER
Date: 1-17-90

MSP Form 1040-R (November 89)

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1600

MSD054

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MSP Document # 900853

FEB 15 1989

MSP CODE: _____

Generator Name: McDONNELL DOUGLAS
Facility Address: 5301 BOLSA AVE
BUILDING A-67-2 DEPT. 711
City, State, Zip: HUNTINGTON BEACH, CA 92647
Technical Contact: TOM ROBINSON
Title: HAZ WASTE MANAGER
Telephone NO.: 714 / 896-4861 EXT: —
Facility EPA ID #: CAD008384588

#2 CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

PLASTIC CONTAINERS, ABSORBENT MATERIAL, RAGS, PLASTIC GLOVES & BAGS CONTAMINATED WITH PASA JELL - SULFURIC ACID, CHROMIC ACID, NITRIC ACID, PHOSPHORIC ACID, HYDROFLUSIL - ICIC ACID RESIDUE	100 %

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

#6

Bill To: McDONNELL DOUGLAS
Company Contact: TOM ROBINSON
Container Size: 30 GAL FIBER, 10-GAL FIBER
EPA Waste No.: D001, D002
Generating Process: ETCHING (CLEAN-UP)
Common Name of Waste: PASE JELL CONTAMINATED WASTE
Rate of Generation: 1 DM PER MONTH
Volume in Storage: 1 DM IN 30 GAL FIBER
Is Waste DOT Hazardous: [X] YES [ ] NO
Proper DOT Shipping Name: WASTE OXIDIZER, CORROSIVE, SOLID N.O.S.
Hazard Class: OX, CORR ID No.: NA9194
Transportation Equipment: 40FT VAN TRAILER
Placarding: OXIDIZER, CORROSIVE

#7 PHYSICAL DESCRIPTION

Physical State: [ ] Liquid [ ] Semi-solid [X] Solid
Phases/Layering: N/A [ ] One Layer [ ] Bilayer [ ] Multilayer
Viscosity: N/A [ ] High [ ] Medium [ ] Low
Type of Solids: [X] Organic [X] Inorganic [ ] Mixed
Total Solids (wt. %): 100% Suspended Solids (wt. %): _____
BTU/lb: 4000 % Ash Content: 10 % Water (by weight): NONE
Flash Point (°F): > 200° Type: _____
Specific Gravity: 1.0
Boiling Point, (°C): N/A Freezing Point, (°C): N/A
Vapor Pressure (mm Hg @ 24°C): N/A
pH (Avg.): 1 (Range): 0 to 2
Total Alkalinity/Acidity (%): ACIDIC - 20%
Odor: STRONG
Color: VARIOUS

#8 HAZARDOUS PROPERTIES

[ ] NONE
[ ] Water Reactive [ ] Reactive [ ] Explosive
[ ] Shock Sensitive [ ] Pyrophoric [ ] Polymerizable
[ ] Radioactive [ ] Pesticide Residuals [ ] Ignitable
[X] Corrosive [ ] Toxic Vapor [ ] Pathogen
[ ] Biological [ ] Etiological
[X] Other: OXIDIZER

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

DEG052081

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability. To determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

AMENDED

DATE: FEB 3-1989 GENERATOR'S SIGNATURE: [signature]

GB V. MSP Reasonable PRODUCED BY MSP 9/93 REQUEST # 5 BOX # WALKER-HUGGINS-MARTIN, MIDS

MSD054

2189

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name: Mc DONNELL DOUGLAS
Site Address: 5301 BOLSA AVE., BLDG A67-2, DEPT 715
City: HUNTINGTON BEACH State: CA Zip Code: 92647
Generator Contact: FRED MELILLO / TOM ROBINSON
Title: HAZ WASTE HANDLING MANAGER
Telephone No. (714) 896-4861
Facility EPA I.D. No.: CAD 008 384588

B. Customer Information

Company Name: Mc DONNELL DOUGLAS
Contact: WAYNE PERSING
Address: 5301 BOLSA AVE., BLDG. A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-6940
For Customer Use

C. Regulatory Information

☑ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s): D001, D002

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
EMPTY PLASTIC CONTAINERS, ABSORBENT MATERIAL, RAGS, PLASTIC GLOVES AND BAGS CONTAMINATED WITH PASA JELL ETCHING MATERIAL WHICH CONTAINS SULFURIC ACID, CHROMIC ACID, NITRIC ACID, PHOSPHORIC ACID AND HYDRO-FLUOSILICIC ACID RESIDUES	99%	100%

Common Name of Waste: PASA JELL CONTAMINATED WASTE

E. General Characteristics

Color: VARIOUS
Odor: ☐ None ☐ Mild ☑ Strong
☐ Liquid ☐ Sludge ☑ Solid ☐ Powder
Phases ☑ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 10 %
BTU's per lb (list actual value): 600 - 1000
Water (Wt %): ☑ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual NONE
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☑ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual 1.0
Viscosity (for bulk liquids only) list actual in centipoise: 0 (SOLID) cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual 0 (SOLID)
pH: ☑ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual 1.0

Flash Point (closed cup): ☐ < 100°F ☑ 100°-140°F ☐ 140°-200°F ☐ _____ °F actual
Sulfur (Wt %): ☑ < 5 ☐ if > 5 list actual value _____

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☑	☐	☐	
☐ Bromine	☑	☐	☐	
☐ Chlorine	☑	☐	☐	
☐ Fluorine	0 actual			Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052082

U.S.V. MSP Releasable
PRODUCED BY MSP 9/93
BOX 5
MSD054
2170

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: GENERAL CLEAN-UP

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: WASTE OXIDIZER, CORROSIVE, SOLID, N.O.S.

DOT I.D. No. (circle one) UN (NA) 9194

Hazard Class: OXIDIZER, CORROSIVE

RQ: 100 LB

Anticipated Volume: (Drums) 5-10 Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size: 10-30 GAL

Container Type: FIBER OR POLY

Per ☐ One time ☐ Week ☐ Month ☐ Year ☑ Other QUARTER

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. JANUARY 17, 1990 — Date

4. HAZ WASTE HANDLING MANAGER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052083

MSP Form 1040 II Rev. 10/89

DS V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 11-2222-0005 Hartford, MDS

MSD054

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MSE

DIRECT FEED ONLY

MATERIALS CHARACTERIZATION DATA SHEET

DEC 111989

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

8916322

For MSP Use Only
Approval Code MDAH/MDAH/8916322-DFO

A. General Information

Company Name McDONNELL DOUGLAS SPACE SYSTEM COMPANY
Address 5301 BOLSA AVE
City HUNTINGTON BEACH State CA Zip Code 92647
Generator Contact FRED MELILLO / TOM ROBINSON
Title HAZARDOUS WASTE MANAGER / SPECIALIST
Telephone No. (714) 896-4861
Facility EPA I.D. No. CAD 008384588

B. Customer Information

Company Name McDONNELL DOUGLAS SPACE SYSTEM CO.
Contact WAYNE PERSING
Address 5301 BOLSA AVE., A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-6940
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s)

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

		MIN	MAX
STYRENE/ACRYLIC COPOLYMER	DIRT 10 20	10	20
MONOETHANOLAMINE		6	10
ETHYLENE GLYCOL PHENOL ETHER		10	15
N-BUTOXY PROPANOL		1	6
SODIUM SILICATE		1	4
POLYOXYETHYLENE PHENYL ETHER PHOSPHATE		1	3
WATER		70	80
DIETHYLENE GLYCOL MONOETHYL ETHER		3	6

Common name of waste: FLOOR STRIPPER

* Please see Enclosure #1 for poly outer box

E. General Characteristics

Color BROWNISH GREEN
Odor ☐ None ☒ Mild ☐ Strong
☐ Liquid ☒ Sludge ☐ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 0-5%
BTU's per lb (list actual value): 1-5K
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☒ >10 list actual 70-80%
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☒ 1.0-1.2 ☐ >1.7 list actual 1.06
Viscosity (for bulk liquids only) list actual in centipoise: ____ cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 if > 20 list actual ____
pH: ☐ 2-6 ☐ 6-10 ☒ 10-12.5 ☐ if < 2 or > 12.5 list actual ____

Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ ____ °F actual ☐ 140°-200°F
Sulfur (Wt %): ☒ < 5 if > 5 list actual value ____

Halogens (Wt %): ☐ Iodine ☒ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual Wt %
☐ Bromine ☒ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual Wt %
☐ Chlorine ☒ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual Wt %
☐ Fluorine ____ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	NONE	Selenium (Se)	NONE
Barium (Ba)	NONE	Silver (Ag)	NONE
Cadmium (Cd)	NONE	Copper (Cu)	NONE
Chromium (Cr)	NONE	Nickel (Ni)	NONE
Lead (Pb)	NONE	Zinc (Zn)	NONE
Mercury (Hg)	NINE		

Organics (ppm)

Endrin	NONE	If material contains the following compounds, indicate actual ppm:	
Lindane	NONE	PCB	NONE
Methoxychlor	NONE	Cyanides	NONE
Toxaphene	NONE	Sulfides	NONE
2,4-D	NONE	Dioxin	NONE
2,4,5-TP (Silvex)	NONE		

DEQ052084

MSD054

2172

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H. Notes, Additional Information or Special Handling Instructions

THIS MATERIAL WAS GENERATED BY OUR MAINTENANCE DEPARTMENT AND INVOLVED THE PROCESS OF STRIPPING THE FLOOR WAX FROM THE HALLWAY FLOORS

MSDS'S ATTACHED

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

Generating process: STRIPPING WAX FROM FLOORS

J. Shipping Information

DOT Hazardous Material (Y), N

Proper Shipping Name: HAZARDOUS WASTE LIQUID, N.O.S

(circle one) DOT I.D. No. UN (NA) 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: (Drums) 20 (Bal) 320 Yds Lbs ☐ Bulk ☐ Roll

Container Size: 16 GAL Container Type: POLY - D.O.T. E7768

Per ☐ One time ☐ Week ☐ Month ☐ Year ☒ Other 6 MONTHS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. 12/7/89 — Date

4. HAZARDOUS WASTE MANAGER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052085

CA v. MSP Releasable PRODUCED BY MSP 9/03 REQUEST # 1-1-1-

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US v. M&P Releasable
PRODUCED BY M&P 9/93
REQUEST # 1-MCDS
Box 5 Folder 15 MCDS
Hartsdale, MCDS

MSD054

2174

MCDONNELL DOUGLAS

McDonnell Douglas Space Systems Company

7 December 1989
FJM:89-012

Marine Shale Processors, Inc.
110 James Drive West
Suite 120
Saint Rose, LA 70087

Attn: Mike Jaubert

Dear Mr. Jaubert

Enclosed, please find MCDS concerning waste that we wish to dispose of at Marine Shale Processors, Inc.

Please do not hesitate to contact me if you require any further information.

Thank you for your assistance.

Sincerely

Fred J. Melillo

Fred J. Melillo
Staff Manager
Hazardous Material Handling

FJM/aln

Enc

DEQ052086

5301 Bolsa Avenue, Huntington Beach, CA 92647-2048 (714) 896-3311 TELEX 67-8426 FAX 896-1313

S.C. Johnson & Son, Inc.
Racine, Wisconsin 53403-5011
Phone:(414) 631-2777

HMIS RATING	
Health	3
Flammability	0
Reactivity	0

MATERIAL SAFETY DATA SHEET

SECTION I-PRODUCT IDENTIFICATION

Product Name:			Product Code:
FREEDOM SPEED STRIPPER			14610-005
Chemical or Common Name:	**Date Issued:**	**Supercedes:**	**Prepared by:**
NA	10/24/88	04/25/88	Terry A. Meyers Chemical Info. Adm.

SECTION II-INGREDIENT INFORMATION

Ingredient	Weight %	Exposure Limit
Monoethanolamine (CAS #141-43-5)	6-10	3 PPM ACGIH
Sodium Xylene Sulfonate (CAS #1300-72-7)	3-8	NOT ESTABLISHED
Ethylene Glycol Phenol Ether (CAS #122-99-6)	10-15	25 PPM TLV-TWA-DOW CHEMICAL RECOMMENDED
N-Butoxy Propanol (CAS #5131-66-8)	1-6	NOT ESTABLISHED
Sodium Silicate (CAS #1344-09-8)	1-4	NOT ESTABLISHED
Polyoxyethylene Phenyl Ether Phosphate (CAS #39464-70-5)	1-3	NOT ESTABLISHED
Water	60-70	NA

SECTION III-PHYSICAL DATA

APPEARANCE/ODOR: Water clear solution	SPECIFIC GRAVITY (H2O=1): 1.06
VAPOR PRESSURE (mm Hg): ND	PERCENT VOLATILE BY VOLUME (%): ND
SOLUBILITY IN WATER: Complete	VAPOR DENSITY (AIR=1): ND
FREEZING POINT (°F): ND	BOILING POINT (°F): ND
pH: 13.1-13.4	EVAPORATION RATE (BUTYL ACETATE=1): NA

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT (°F) (METHOD USED): about 180F

FLAMMABLE LIMITS: ND

EXTINGUISHING MEDIA: Foam , CO2 , Dry Chemical , Water Fog

SPECIAL FIREFIGHTING PROCEDURES: Normal fire fighting procedures may be used. Cool and use caution when approaching or handling fire-exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Corrosive Material (See Sections VI, VIII). Vapors may accumulate in confined spaces (e.g., pits, sumps, sewers) and inadequately ventilated areas.

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DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #

MSD054

215

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S.C. Johnson & Son, Inc. 1525 Howe Street Racine, Wisconsin 53403	FREEDOM SPEED STRIPPER Product Number: 14610 Serial Number: 5

SECTION VIII-SPECIAL PROTECTION INFORMATION (cont.)

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Where gross eye\skin contact may be a problem, wear\use appropriate protective equipment. Launder contaminated equipment before reuse. In case of spills, see Section VII.

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING: WARNING: Contains Alkali detergent. Can cause eye damage. Avoid contact with eyes, skin and clothing. Harmful if swallowed. When handling concentrate, wear eye protection and rubber gloves. Keep out of reach of children.

OTHER HANDLING AND STORAGE CONDITIONS: Product residue may remain on\in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Wash thoroughly after handling. Keep from freezing. Keep out of reach of children.

SECTION X-ADDITIONAL INFORMATION

For information on appropriate emergency procedures phone: 414-631-2000.

ADDITIONAL INFORMATION: NA

NA-Not Applicable, NE-Not Established, NSR-No Special Requirement, ND-Not Determined for this product

The information herein is given in good faith. No warranty, expressed or implied, is made. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and local laws and regulations. The information contained in this form is confidential and is submitted solely for your organization's internal use.

DEQ052088

MSD054

2178

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S.C. Johnson & Son, Inc.
Racine, Wisconsin 53403-5011
Phone: (414) 631-2777

MATERIAL SAFETY DATA SHEET

SECTION I — PRODUCT IDENTIFICATION

Product Name:			Product Code:
PINNACLE UHS FLOOR FINISH			14145-001
Chemical or Common Name:	**Date Issued:**	**Supercedes:**	**Prepared by:**
NA	05/16/86	NA	Gordon B. Bradshaw Materials Data Coordinator

SECTION II — INGREDIENT INFORMATION

	Weight %	Exposure Limit
Styrene\Acrylic Copolymer	10-20	
Zinc Metal Complex	under 1	
Ammonia (CAS #7664-41-7)	under 1	25 ppm (ACGIH TLV-TWA); 50 ppm (OSHA PEL)
Diethylene Glycol Monoethyl Ether	3-6	
Water	70-80	

SECTION III — PHYSICAL DATA

Appearance/Odor:	Milky white liquid with mild odor	Specific Gravity (H_2O = 1):	1.02
Vapor Pressure (mm Hg):	Same as water	Percent Volatile by Volume (%):	NA
Solubility in Water:	Complete	Vapor Density (Air = 1):	Same as water
Freezing Point (°F):	about 32	Boiling Point (°F):	above 200
pH:	8.4 -8.6	Evaporation Rate (Butyl Acetate = 1)	ND

SECTION IV — FIRE AND EXPLOSION INFORMATION

Flash Point (°F) (Method Used):	NA	Flammable Limits	NA

Extinguishing Media: ☒ Foam ☒ CO_2 ☒ Dry Chemical ☒ Water Fog ☐ Other

Special Fire Fighting Procedures:
Normal fire fighting procedures may be used.

Unusual Fire and Explosion Hazards:
No special hazards known to SCJ.

DEMO52089

MSD054

2 1 7

SECTION V — HEALTH HAZARD DATA

ROUTES OF ENTRY: Eye Contact ____ Skin Contact X Ingestion ____ Inhalation ____

ct contact of product with eyes can cause irritation. Prolonged or ated contact of product with skin may cause irritation.

h eyes with water for 15 minutes. If irritation persists, seek ical aid. If product gets on skin, remove with soap and water.

SECTION VI — REACTIVITY DATA

Unstable		Conditions to Avoid: None known to SCJ
Stable	X	

Incompatibility (Materials to Avoid): None known to SCJ

Hazardous Decomposition Products: When exposed to fire, produces normal products of combustion.

Hazardous Polymerization	May Occur	
	Will Not Occur	X

Conditions to Avoid: None known to SCJ

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled

tains ammonia. Do not let spilled or leaking material enter ercourse. May be toxic to aquatic life. Absorb with oil-dri or ilar inert material. Sweep or scrape up and containerize. se affected area thoroughly with water.

Waste Disposal Information

special method. Observe all applicable Federal\State regulations and al ordinances regarding disposal of non-hazardous materials.

ste from normal product use may be sewered to a public-owned treatment ks (POTW) in compliance with applicable Federal, State, and local etreatment requirements.

DEM052090

SECTION VIII — SPECIAL PROTECTION INFORMATION 14145-001

Respiratory Protection (Specify type): No special requirements under normal use conditions.

Ventilation: General room ventilation adequate.

Protective Gloves: No special requirements under normal use conditions.

Eye Protection: No special requirements under normal use conditions.

Other Protective Measures: Use good personal hygiene practices.

SECTION IX — SPECIAL PRECAUTIONS

Precautionary Labeling: NA

Other Handling and Storage Conditions

Wash thoroughly after handling. Keep from freezing. Keep out of reach of children.

SECTION X — ADDITIONAL INFORMATION

For information on appropriate emergency procedures phone: (414) 631-2000.

NA

NA-Not Applicable, NSR-No Special Requirement, ND-Not Determined for this product

The information herein is given in good faith. No warranty, expressed or implied, is made. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and local laws and regulations.

HMIS Ratings:
Health 0 Flammability 0 Reactivity 0

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

APR 19 1990

9002141

For MSP Use Only

Approval Code MDAH/MDAH/9002141

A. Generator Information

Generator Name McDONNELL DOUGLAS SPACE SYSTEMS CO.
Site Address 5301 BOLSA AVE
City HUNTINGTON BEACH State CA Zip Code 92647
Generator Contact FRED MELILLO
Title MANAGER - HAZ WASTE HANDLING
Telephone No. (714) 896-4861
Facility EPA I.D. No. CAD008384588

B. Customer Information

Company Name MC DONNELL DOUGLAS SSC
Contact TOM ROBINSON
Address 5301 BOLSA AVE., A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-4861
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s) _____

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
WATER	30	48
STEEL WOOL	30	40
PHOSPHORIC ACID	2	4
ZINC DIHYDROGEN PHOSPHATE	5	10
ZINC NITRATE	.25	.5
FERRIC PHOSPHATE	.25	.5

Common Name of Waste: GRANODINE 313, RUST PREVENTIVE COMPOUND

E. General Characteristics

Color: CLEAR/WHITE
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☒ Sludge ☐ Solid ☐ Powder
Phases ☐ Single Layer ☒ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 20%
BTU's per lb (list actual value): 1000
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual 48%
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☒ 1.0-1.2 ☐ > 1.7 list actual _____
Viscosity (for bulk liquids only) list actual in centipoise _____ cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual _____
pH: ☒ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual 3.4

Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ _____ °F actual
Sulfur (Wt %): ☒ < 5 ☐ if > 5 list actual value _____

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine	0 actual Wt %			

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	<0.1
Cadmium (Cd)	<0.1	Copper (Cu)	0.14
Chromium (Cr)	0.12	Nickel (Ni)	1092
Lead (Pb)	<0.1	Zinc (Zn)	5.2
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052091

DB V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 5
BOX # 5 - 11 FOLDERS, MISC.
Hazardous Waste
MSD054
2179

H. Notes, Additional Information or Special Handling Instructions

Generating Process: TREATMENT OF PARTS TO PREVENT RUST

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE LIQUID, N.O.S.

DOT I.D. No. UN (N) 9189 (circle one)

Hazard Class: ORM-E

RQ

Anticipated Volume: (Drum) 4 Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size: 16 GAL Container Type: POLY

Per ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. _____ — Date

4. MANAGER - HAZ WASTE HANDLING — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052092

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US V. NSP Releasable
PRODUCED BY NSP 9/93
REQUEST # 1
BOX 1 OF 1
Hartford, Illinois

MSD054

2180

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REQUEST # 3465
BOX # 15
Material Types

MSD054

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MCDONNELL DOUGLAS

McDonnell Douglas Space Systems Company

10 April 1990
90-028

Marine Shale Processors
110 James Drive West
Suite 120
St. Rose, LA 70087

Attention: Estelle Quijano

Subject: Approval for disposal

Dear Ms. Estelle Quijano,

Enclosed please find a copy of a waste stream which we would like to get approved for disposal at your facility. Please feel free to call me if you have any questions.

Sincerely,

Fred Melillo

Fred Melillo
Manager - Hazardous Waste Handling

FJM/pja

DEQ052093

5301 Bolsa Avenue, Huntington Beach, CA 92647-2048 (714) 896-3311 TELEX 67-8426 FAX 896-1313

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MCDONNELL DOUGL

McDonnell Douglas Space Systems Company

APR 25 1990

23 April 1990
90-030

Marine Shale Processors
110 James Drive West
Suite 120
St. Rose, LA 70087

Attention: Estelle Quijano

Subject: Approval Effective Date for MSP Approval Code 9002141

Dear Ms. Estelle Quijano,

This letter is being sent to inform you that the effective date for MSP Approval Code 9002141 (GRANODINE 313, rust preventive compound) should be April 20, 1990. Please make note of this for your records.

Sincerely,

Fred Melillo

Fred Melillo
Manager - Hazardous Waste Handling

FJM/pja

MSD054

DEQ052094

5301 Bolsa Avenue, Huntington Beach, CA 92647-2048 (714) 896-3311 TELEX 67-8426 FAX 896-1313

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FEB 05 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: MDAH/MDAH/89008571 /

Date printed: 1/08/90 Rep.ID: MJJ

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: MCDONNELL DOUGLAS ASTRONAUTS
Telephone: (714) 896-4861 x.0000
Facility Address: 5301 BOLSA AVE.
ENVIR. A-67 DEPT. 715
HUNTINGTON BEACH, CA 92647-0000
USEPA ID: CAD008381588

Name of Waste: SODIUM HYDROXIDE CONTAMINATED ITEMS
Generating Process: EMPTY DRUMS, CLEAN-UP MATERIAL
Technical Contact: MR. TOM ROBINSON
Title: MR. FRED MELILLO HAZ WASTE MGR.

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)*	☐ yes	☑ no
2. Have you changed the raw materials used in the waste generating process?	☑ yes	☐ no
3. Have you changed the waste generating process itself?	☐ yes	☑ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste?	☐ yes	☑ no
5. Are you aware of any human health effects of exposure to the waste not previously described?	☐ yes	☑ no

6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

#2 - WE HAVE ADDED POTASSIUM HYDROXIDE CONTAMINATED WASTE TO THIS WASTESTREAM.

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☑ Drum (type/size) FIBER OR PLY/10-30 GAL

Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other 5-10 DRUMS

Per: ☐ One Time ☐ Week ☐ Month ☑ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: FRED MELILLO
Signature: Fred Melillo
Title: HAZ WASTE HANDLING MANAGER
Date: 1-17-90

DE0052095

MSP Form 1040-R (November 89)

US V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-11-95 Box 5 Pages 1-11 Redacted, Misc.

MSD054

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code_____

A. Generator Information

Generator Name Mc DONNELL DOUGLAS
Site Address 5301 BOLSA AVE., BLDG. A67-2, DEPT. 715
City HUNTINGTON BEACH State CA Zip Code 92647
Generator Contact FRED MELILLO / TOM ROBINSON
Title HAZ WASTE HANDLING MANAGER
Telephone No. (714) 896-4861
Facility EPA I.D. No. CAD 008384588

B. Customer Information

Company Name Mc DONNELL DOUGLAS
Contact WAYNE PERSING
Address 5301 BOLSA AVE., BLDG. A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-6940
For Customer Use

C. Regulatory Information

☑ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D002

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
EMPTY BAGS, PLASTIC BOTTLES, RAGS, PROTECTIVE CLOTHING, PLASTIC GLOVES, APPLICATORS, ABSORBENT MATERIAL CONTAMINATED WITH SODIUM OR POTASSIUM HYDROXIDE	99%	100%

Common Name of Waste: SODIUM AND POTASSIUM HYDROXIDE CONTAMINATED WASTE

E. General Characteristics

Color: VARIOUS
Odor: ☐ None ☐ Mild ☑ Strong
☐ Liquid ☐ Sludge ☑ Solid ☐ Powder
Phases ☑ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 5
BTU's per lb (list actual value): 5000
Water (Wt %): ☑ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual NONE
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☑ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual SOLID
Viscosity (for bulk liquids only) list actual in centipoise: 0 (SOLID) cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual 0 (SOLID)
pH: ☐ 2-6 ☐ 6-10 ☑ 10-12.5 ☐ if < 2 or > 12.5 list actual 13

Flash Point (closed cup): ☐ < 100°F ☑ 200°F ☐ 100°-140°F ☐ _____°F ☐ 140°-200°F actual
Sulfur (Wt %): ☑ < 5 if > 5 list actual value NONE

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☑	☐	☐	
☐ Bromine	☑	☐	☐	
☐ Chlorine	☑	☐	☐	
☐ Fluorine	0 actual Wt %			

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEM052094

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BOX 5 - Hazardous Waste Manifest, Misc.

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #

H. Notes, Additional Information or Special Handling Instructions

Generating Process: EMPTY CONTAINERS AND BAGS, CLEAN-UP MATERIALS

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: WASTE CORROSIVE SOLID, N.O.S. DOT I.D. No. (circle one) (UN) NA 1759

Hazard Class: CORROSIVE RQ

Anticipated Volume: (Drums) 5-10 Gal Yds Lbs ☐ Bulk? ☐ Rail?

Container Size: 10-30 GAL Container Type: FIBER OR POLY

Per ☐ One time ☐ Week ☐ Month ☐ Year ☑ Other QUARTER

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. JANUARY 17, 1990 — Date

4. HAZ WASTE HANDLING MANAGER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

DEQ052097

MSD054

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # 8900857

MSP CODE: _____

FEB 15 1989

#1 Generator Name: McDONNELL DOUGLAS SPACE SYSTEM CO.
Facility Address: 5301 BOLSA AVE
BUILDING A-67-2 DEPT 711
City, State, Zip: HUNTINGTON BEACH, CA 92647
Technical Contact: TOM ROBINSON
Title: HAZ WASTE MANAGER
Telephone NO.: 714 896-4861 EXT: —
Facility EPA ID #: CAD008384588

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

EMPTY SODIUM HYDROXIDE BAGS	94 %
EMPTY PLASTIC BOTTLES	2 %
RAGS CONTAMINATED W/NaOH	1 %
PROTECTIVE CLOTHING GLOVES	1 %
SODIUM HYDROXIDE SOLIDS WITH ABSORBENT MATERIAL (KITTYHULLASH)	2 %
	%

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

DEC052098

#6 Bill To: McDONNELL DOUGLAS SSC
Company Contact: TOM ROBINSON
Container Size: 17-H 30-GAL METAL AND/OR FIBER DRUM
EPA Waste No.: D002
Generating Process: MATERIAL USED IN NaOH DIP TANK
Common Name of Waste: EMPTY BAGS, PLASTIC CONTAINERS, CLEAN-UP
Rate of Generation: 1 (Pounds) DM (Pounds) PER MONTH (Other Material)
Volume in Storage: 7 (Pounds) DM (Pounds) IN 30 GAL METAL + FIBER DRUM (If Container Size and Type)
Is Waste DOT Hazardous: [X] YES [ ] NO
Proper DOT Shipping Name: WASTE CORROSIVE SOLID, N.O.S.
Hazard Class: CORROSIVE ID No.: UN 1759
Transportation Equipment: 40 FT VAN TRAILER
Placarding: CORROSIVE

#7 PHYSICAL DESCRIPTION
Physical State: [ ] Liquid [ ] Semi-solid [X] Solid
Phases/Layering: N/A [ ] Uni-Layer [ ] Bilayer [ ] Multilayer
Viscosity: N/A [ ] High [ ] Medium [ ] Low
Type of Solids: [X] Organic [X] Inorganic [ ] Mixed
Total Solids (wt. %): 100% Suspended Solids (wt. %): N/A
BTU/lb: 5000 % Ash Content: 5 % Water (by weight): NONE
Flash Point (°F): > 200° Type: _____
Specific Gravity: < 1.0
Boiling Point, (°C): > 100° Freezing Point, (°C): < 0°
Vapor Pressure (mm Hg @ 24°C): _____
pH (Avg): 13 (Range): 13 to 14
Total Alkalinity/Acidity (%): _____
Odor: IRRITATING
Color: WHITE

#8 HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable
[X] Corrosive	[ ] Toxic Vapor	[ ] Ignitable
[ ] Biological	[ ] Biological	[ ] Pathogen
[ ] Other _____		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

AMENDED DATE Feb. 14-1989 GENERATOR'S SIGNATURE: On Behalf of T. Robinson

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # 5700557

MSP CODE: MDAH/MDAH/8900837

FEB 15 1989

SYSTEM CO.

Generation Name: MC DONNELL DOUGLAS SPACE
Facility Address: 5301 BOLSA AVE
BUILDING A-22-2 DEPT 711
City, State, Zip: HUNTINGTON BEACH, CA 92647
Technical Contact: TOM RUBINSON
Title: HAZ WASTE MANAGER
Telephone NO.: 714 896-4861 EXT. —
Facility EPA ID #: CAD009354538

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Bill To: MC DONNELL DOUGLAS SSC
Company Contact: TOM RUBINSON
Container Size: 17-H 30-GAL METAL AND/OR FIBER DRUMS
EPA Waste No.: D002
Generating Process: MATERIAL USED IN NaOH DIP TANK
Common Name of Waste: EMPTY BAGS, PLASTIC CONTAINERS, SOLID
Rate of Generation: 1 DM PER MONTH
Volume in Storage: 7 DM IN 30 GAL METAL DRUMS
Is Waste DOT Hazardous: [X] YES [ ] NO
Proper DOT Shipping Name: WASTE CORROSIVE SOLID NOS
Hazard Class: CORR. MAT'L ID No.: UN 1759
Transportation Equipment: 40 FT VAN TRAILER
Placarding: CORROSIVE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

EMPTY SODIUM HYDROXIDE BAGS	94 %
EMPTY PLASTIC BOTTLES	2 %
RAGS CONTAMINATED W/NaOH	1 %
PROTECTIVE CLOTHING, GLOVES	1 %
SODIUM HYDROXIDE SOLIDS WITH ABSORBENT MATERIAL (LIKE HUMCLAY)	2 %

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Residue	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluoride	0		
Bromine	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Foam	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4 D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

17 PHYSICAL DESCRIPTION

Physical State: [ ] Liquid [ ] Semi-solid [X] Solid
Phases/Layering: N/A [ ] Uni-Layer [ ] Bilayer [ ] Multilayer
Viscosity: N/A [ ] High [ ] Medium [ ] Low
Type of Solids: [X] Organic [X] Inorganic [ ] Mixed
Total Solids (wt. %): 100% Suspended Solids (wt. %): N/A
BTU/lb: 5000 % Ash Content: 5 % Water (by weight): NONE
Flash Point (°F): > 200° Type:
Specific Gravity: < 1.0
Boiling Point, (°C): > 100° Freezing Point, (°C): < 0°
Vapor Pressure (mm Hg @ 24°C):
pH (Avg): 13 (Range): 13 to 14
Total Alkalinity/Acidity (%):
Odor: IRRITATING
Color: WHITE

18 HAZARDOUS PROPERTIES

[ ] NONE
[ ] Water Reactive [ ] Reactive [ ] Explosive
[ ] Shock Sensitive [ ] Pyrophoric [ ] Polymerizable
[ ] Radioactive [ ] Pesticide Residuals [ ] Ignitable
[X] Corrosive [ ] Toxic Vapor [ ] Pathogen
[ ] Biological [ ] Biological
[ ] Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE: Feb. 14-1989 GENERATOR'S SIGNATURE: On Behalf of [illegible]

DEM052099

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PRODUCED BY MSP 9/93
REQUEST # MSD054
BOX # 5
MSD054
2187

DIRECT FEED ONLY

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code MDAH/MDAH/8900857 DFU

A. General Information

Generator Name Mc DONNELL DOUGLAS
Site Address 5301 BOLSA AVE., BLDG. A672, DEPT. 715
City HUNTINGTON BEACH State CA Zip Code 92647
Generator Contact FRED MELILLO / TOM ROBINSON
Title HAZ WASTE HANDLING MANAGER
Telephone No. (714) 896-4861
Facility EPA I.D. No. CAD 008384588

B. Customer Information

Company Name Mc DONNELL DOUGLAS
Contact WAYNE PERSING
Address 5301 BOLSA AVE., BLDG. A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-6940
For Customer Use

C. Regulatory Information

☑ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D002

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
EMPTY BAGS, PLASTIC BOTTLES, RAGS, PROTECTIVE CLOTHING, PLASTIC GLOVES, APPLICATORS, ABSORBENT MATERIAL CONTAMINATED WITH SODIUM OR POTASSIUM HYDROXIDE	99%	100%

Common Name of Waste: SODIUM AND POTASSIUM HYDROXIDE CONTAMINATED WASTE

* MUST BE PACKAGED IN 30 gallon poly drum *

E. General Characteristics

Color: VARIOUS
Odor: ☐ None ☐ Mild ☑ Strong
☐ Liquid ☐ Sludge ☑ Solid ☐ Powder
Phases ☑ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 5
BTU's per lb (list actual value): 5000
Water (Wt %): ☑ <1 ☐ 5-10 ☐ 1-5 ☐ > 10 — list actual NONE
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☑ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 — list actual SOLID
Viscosity (for bulk liquids only) list actual in centipoise: 0 (SOLID) cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ > 20 — list actual 0 (SOLID)
pH: ☐ 2-6 ☐ 6-10 ☑ 10-12.5 ☐ < 2 or > 12.5 — list actual 13

Flash Point (closed cup): ☐ < 100°F ☑ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ _____ °F actual
Sulfur (Wt %): ☑ < 5 — if > 5 list actual value NONE

Halogens (Wt %):

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☑	☐	☐	
☐ Bromine	☑	☐	☐	
☐ Chlorine	☑	☐	☐	
☐ Fluorine	0 actual Wt %			

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: EMPTY CONTAINERS AND BAGS, CLEAN-UP MATERIALS

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name WASTE CORROSIVE SOLID, N.O.S. DOT I.D. No. (circle one) (UN) NA 1759

RQ

Hazard Class CORROSIVE

Anticipated Volume (Drums) 5-10 Gal Yds Lbs ☐ Bulk? ☐ Rail?

Container Size 10-30 GAL. Container Type FIBER OR POLY

Per ☐ One time ☐ Week ☐ Month ☐ Year ☑ Other QUARTER

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo
Generator's Signature

2. FRED MELILLO
Name (Type or Print)

3. JANUARY 17, 1990
Date

4. HAZ WASTE HANDLING MANAGER
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

DEQ052101

MSD054

2189

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US V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-7

MSD054

2190

RECEIVED MAR 26 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: MDAH/MDAH/880238G/ 1

Date printed: 2/27/90 Rep.ID: ERQ

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: MCDONNELL DOUGLAS ASTRONAUTS
Telephone: (714) 896-4861 x.0000
Facility Address: 5301 BOLSA AVE.
USEPA ID: CAD008384588
ENVIR. A-67-2 DEPT. 715
HUNTINGTON BEACH, CA 92647-0000

Name of Waste: COOLING OIL
Generating Process: USED COOLING OIL TO COOL ALUMINUM PARTS
Technical Contact: MR. TOM ROBINSON
Title: MR. FRED MELILLO - HAZ WASTE MGR

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) 17H METAL OR POLY/55 GAL

Anticipated Volume: 2500 Gals. _____ Cubic Yds. _____ Other _____

Per: ☐ One Time ☐ Week ☐ Month ☐ Quarter ☒ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: FRED MELILLO Signature: Fred Melillo

Title: HAZ WASTE MANAGER Date: MARCH 23, 1990

DEQ052102

MSP Form 1040-R (November 89)

NOTICE: if the film image is less clear than this notice, it is due to the quality of the document being filmed

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only

Approval Code _____

A. Generator Information

Generator Name McDONNELL DOUGLAS SPACE SYSTEM CO
Site Address 5301 BOLSA AVE
City HUNTINGTON BEACH State CA Zip Code 92647
Generator Contact FRED MELILLO
Title HAZ WASTE MANAGER
Telephone No. (714) 896-4861 OR 896-4133
Facility EPA I.D. No. CAD008384588

B. Customer Information

Company Name McDONNELL DOUGLAS SSD
Contact TOM ROBINSON
Address 5301 BOLSA AVE., BLDG. A67-2, DEPT. 715
HUNTINGTON BEACH, CA 92647
Telephone No. (714) 896-4861
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s) NONE

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
COOLING OIL	3	5
STAINLESS STEEL GRINDINGS, SLUGG	18	30
ETHANOLAMINE, TRIETHANOLAMINE	.5	0,75
MINERAL OIL	.75	1.0
MIXED ALKYL SULFONAMIDE	1.0	1,25 ftm 4/23/90
POLYGLYCOLS AND SYNTHETIC OIL	1	2.0
WATER	60	70

Common Name of Waste: USED CWLING OIL

E. General Characteristics

Color: DARK / SILVER CHIPS
Odor: ☐ None ☒ Mild ☐ Strong
☒ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phases ☐ Single Layer ☒ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y (N) Polymerizable? Y (N)
Infectious? Y (N) Pyrophoric? Y (N)
Water Reactive? Y (N) Explosive? Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 70
BTU's per lb (list actual value): 1000 ftm 3/23/90
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual 70
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☒ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual 0,8
Viscosity (for bulk liquids only) list actual in centipoise: _____ cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual _____
pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual 7.0
Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ _____ °F ☐ 140°-200°F actual
Sulfur (Wt %): ☒ < 5 ☐ if > 5 list actual value _____

Halogens (Wt %)	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine	0 actual	Wt %		

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEC052103

GB V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 7/26/93 BOX 1 of 5 MSD054

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 93-1162-MSP

H. Notes, Additional Information or Special Handling Instructions

Generating Process: USED COOLING OIL TO COOL THE CUTTING OF ALUMINUM PARTS

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE LIQUID, — DOT I.D. No. (circle one) UN (NA) 9189

Hazard Class: ORM-E — RQ

Anticipated Volume: (Drum) 50 Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size: 55 GAL — Container Type: 17-H METAL OR POLY

Per: ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Fred Melillo — Generator's Signature

2. FRED MELILLO — Name (Type or Print)

3. March 23, 1990 — Date

4. HAZ WASTE MANAGER — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052104

MSD054
2192

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MARINE SHALE PROCESSORS, INC. MDAH/MDAH-880331

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # _____ MSP CODE: _____

MAR 28 1988

(881)2331

#1 Generator Name McDonnell Douglas H.B.
Facility Address 5301 Bolsa Ave
Building A67-2
City, State, Zip Huntington Beach CA 92647
Technical Contact Tom Robinson
Title Haz Waste Manager
Telephone No. (714) 896-4861 (X): —
Facility EPA ID # CAD083884588

#6 Bill To: McDonnell Douglas
Company Contact: Tom Robinson
Container Size: 17-H DOT 55 gal and/or 85 gal
EPA Waste No. CA Regulated
Generating Process U320 Cooling oil
Common Name of Waste Cooling oil
Rate of Generation 2 (Quantity) Dm (Period) PER Mo (Time Interval)
Volume in Storage 4 (Quantity) Dms (Units) IN 55 gal (Container Size and Type)
Is Waste DOT Hazardous | | YES |X| NO
Proper DOT Shipping Name Hazardous Waste liquid, NOS
Hazard Class ORM-E ID No. NA9189
Transportation Equipment Flat Bed
Placarding None

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

Cooling oil with Stainless	100 %
Steel Grindings - May Have	%
Absorbent Material Added	%
→ Ethanolamine, Triethanolamine,	%
Ethoxylated Nonylphenol	%
Mineral oil, Mixed Alkylsulfonamides	%
Poly Glycols And Synthetic oil	%

#7 PHYSICAL DESCRIPTION

Physical State		Liquid	X	Semi-solid		Solid	
Phases/Layering		Uni-Layer	X	Bilayer		Multilayer	
Viscosity		High	X	Medium		Low	
Type of Solids	X	Organic		Inorganic		Mixed	

Total Solids (wt. %) 35-60 Suspended Solids (wt. %) 30-65
BTU/lb 8000 % Ash Content >5 % Water (by weight) >5
Flash Point (°F) >200 Type _____
Specific Gravity <1
Boiling Point, (°C) N/A Freezing Point, (°C) N/A
Vapor Pressure (mm Hg @ 24°C) <10
pH (Avg) 7 (Range) 6 to 7
Total Alkalinity/Acidity (%) N/A
Odor Slight
Color Dark/Silver

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

#8 HAZARDOUS PROPERTIES

			X NONE
	Water Reactive		Reactive		Explosive
	Shock Sensitive		Pyrophoric		Polymerizable
	Radioactive		Pesticide Residuals		Ignitable
	Corrosive		Toxic Vapor		Pathogen
	Biological		Etiological		
	Other CA Regulated				

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: Wear Gloves And Goggles, Steel Toe Boots When Handling Drums

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052105

DATE _____ GENERATOR'S SIGNATURE: _____

MSD054

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # _____ COPY SALES (504) 465-3310 MSP CODE: MDAH/MDAH.FF023F6

MAR 28 1996

#1 Generator Name: McDonnell Douglas H.B.
Facility Address: 5301 Bolsa Ave
Building A67-2
City, State, Zip: Huntington Beach CA 92647
Technical Contact: Tom Robinson
Title: Haz Waste Manager
Telephone NO.: 714 896-4861 EXT:
Facility EPA ID #: CAD009384588

#2 CHEMICAL COMPOSITION (No Trade Names)
(Totals must add up to 100%)

Cooling oil with Stainless	100 %
Steel Grindings - May Have	%
Absorbent Material Added	%
→ Ethanolamine, Triethanolamine,	%
Ethoxylated Nonylphenol	%
Mineral oil, Mixed Alkylsulfonamid	%
Poly Glycols and Synthetic oil	%

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

#6 Bill To: McDonnell Douglas
Company Contact: Tom Robinson
Container Size: 17-H DOT 55 gal and/or 85 gal
EPA Waste No.: CA Regulated
Generating Process: U320 Cooling oil
Common Name of Waste: Cooling oil
Rate of Generation: 2 (Known) Dm (Known) PER Mo (Time Interval)
Volume in Storage: 4 (Known) Dms (Known) IN 55 gal (Container Size and Type)
Is Waste DOT Hazardous? | | YES |X| NO
Proper DOT Shipping Name: Hazardous Waste liquid, NOS
Hazard Class: ORM-E ID No.: NA9189
Transportation Equipment: Flat Bed
Placarding: None

#7 PHYSICAL DESCRIPTION

Physical State			Liquid	X	Semi-solid		Solid
Phases/Layering			Uni-Layer	X	Bilayer		Multilayer
Viscosity			High	X	Medium		Low
Type of Solids	X		Organic		Inorganic		Mixed

Total Solids (wt. %): 35-60 Suspended Solids (wt. %): 30-65
BTU/lb: 8000 % Ash Content: >5 % Water (by weight): >5
Flash Point (°F): >200 Type: _____
Specific Gravity: <1
Boiling Point, (°C): N/A Freezing Point, (°C): N/A
Vapor Pressure (mm Hg @ 24°C): <10
pH (Avg): 7 (Range): 6 to 7
Total Alkalinity/Acidity (%): N/A
Odor: Slight
Color: Dark Silver

#8 HAZARDOUS PROPERTIES

				X	NONE
		Water Reactive			Explosive
		Shock Sensitive			Polymerizable
		Radioactive			Ignitable
		Corrosive			Pathogen
		Biological			
		Other: CA Regulated			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: Wear Gloves and Goggles, Steel Toe Boots When Handling Drums

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052106

DATE _____ GENERATOR'S SIGNATURE: _____

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 913502

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. AZPD009031857 — Manifest Document No.
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Drug Enforcement Admin, 3010 N 2nd st Suite 20, Phoenix Az 85012
4. Generator's Phone (602) 640-5700
5. Transporter 1 Company Name: Disposal Control Service Inc
6. US EPA ID Number: AZD981147151
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID: 11312
D. Transporter's Phone: (602) 268-0999
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	(EPA) Waste No.
a. Waste Flammable Solid, N.O.S. (D001) Flammable Solid UN 1325	0101	DF	010210	G	D001 R
b. Waste Corrosive solid, N.O.S. Corrosive Material UN 1759 (D002)	0101	DF	010105	G	D002 R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
a. Approval # DCSP/DRUG/9002658-LP / Drum #7
b. Approval # DCSP/DRUG/9002658-LP / Drum #9
Site/Scottsdale

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: Site - 5116 N 86th Place
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: CHRIS R JACOBSEN ON BEHALF OF DEA — Signature — Month Day Year: 06 12 19 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL W EBERSOLE / Metzel — Signature — Month Day Year: 06 12 19 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year: 06 13 19 90

19. Discrepancy Indication Space: DEQ052107

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: TIM PARSELL — Signature — Month Day Year: 06 14 90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

GENERATOR | TRANSPORTER | FACILITY

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US v. H&P Produced by H&P 9/93 Releasable

Box 5 Walker 11/22/95 Request 4-MSDS Manifest, MSDS

MSD054

219 F

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 010447

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. A Z P 9 0 0 0 0 6 3 2 4 | Manifest Document No. 0 1 0 4 4 7 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Drug Enforcement Admin
3010 N 2nd St Suite 301
Phoenix Az 85012
Site - Ashfork

4. Generator's Phone (602) 640-5700

5. Transporter 1 Company Name: Disposal Control Service Inc. | 6. US EPA ID Number: A Z D 0 1 8 1 1 6 7 5 1 4 1 3 R

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
| 10. US EPA ID Number: L A D 9 8 1 0 5 7 7 0 6

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID: 113125
D. Transporter's Phone: (602) 268-0999
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	State Waste No.
a. RQ. HAZARDOUS WASTE SOLID, N.O.S. ORM E NA 9189	0 2 5	D M	0 1 0 0 1 5	Y	N/R R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
a. Approval # DCSP/DENA/9002934-DFO
9003229

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: ALAN H. WINN (DEA) | Signature | Month Day Year: 12 12 22 90

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL W FERRSOLO (Don Wetzel) | Signature | Month Day Year: 12 12 22 90 (16 23 40)
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space
DEQ052108
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: GINN BASSETT | Signature | Month Day Year: 12 23 90

WHITE - DEQ GREEN - GENERATOR YELLOW - TRANSPORTER PINK - TRANSPORTER GOLDENROD - FACILITY

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US V. NSP
PRODUCED BY NSP 9/93
Releasable
REQUEST # NSP-93-
BOX 1 OF 5
Hazardous Waste

MSD054

2196

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DEA HISTORIC

MSP MATERIALS CHARACTERIZATION DATA SHEET

RECEIVED JUN - 6 1990

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

JUN 11 1990

9003229

For MSP Use Only

Approval Code DCSP/DEANA/9003229

A. Generator Information

Generator Name: DRUG ENFORCEMENT ADMIN
Site Address: 3010 N 2ND ST, SUITE 301
City: PHOENIX State: AZ Zip Code: 85012
Generator Contact: BOB KIRCHER / ALAN H. WINN
Title: AGENT
Telephone No. (602) 640-5700
Facility EPA I.D. No. AZP000006324

B. Customer Information

Company Name: DISPOSAL CONTROL SERVICE
Contact: CYNTHIA CLOWES
Address: 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s)

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
• BURNED/CRUSHED DRUMS ONCE CONTAINING ETHER		100

Common Name of Waste: "EMPTY CRUSHED DRUMS"

E. General Characteristics

Color:
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	N	Polymerizable?	Y	N
Infectious?	Y	N	Pyrophoric?	Y	N
Water Reactive?	Y	N	Explosive?	Y	N

G. Physical/Chemical Properties

NEUTRAL SOLID

Ash (list actual Wt %): 80-90
BTU's per lb (list actual value): 25000
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ > 10 list actual
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ > 20 list actual
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ < 2 or > 12.5 list actual

Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ °F actual
Sulfur (Wt %): ☐ < 5 ☐ > 5 list actual value

Halogens (Wt %) — NONE

	<1	1-5	5-10	> 10 list actual Wt %
☐ Iodine	☐	☐	☐	
☐ Bromine	☐	☐	☐	
☐ Chlorine	☐	☐	☐	
☐ Fluorine		actual Wt %		

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	< 5.	Selenium (Se)	< 1.
Barium (Ba)	< 100.	Silver (Ag)	< 5.
Cadmium (Cd)	< 1.	Copper (Cu)	0
Chromium (Cr)	< 5.	Nickel (Ni)	0
Lead (Pb)	< 5.	Zinc (Zn)	0
Mercury (Hg)	< 0.2		

Organics (ppm) — NONE

Endrin
Lindane
Methoxychlor
Toxaphene
2,4-D
2,4,5-TP (Silvex)

If material contains the following compounds, indicate actual ppm: — NONE

PCB
Cyanides
Sulfides
Dioxin

DEA052.109

DS V. MSP Releasable PRODUCED BY MSP 9/92
REQUEST # 1166
Box 5 Folder 1166
Warfield, Mike

MSD054

2187

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: DPS DETONATED DRUMS ONCE CONTAINING ETHER FROM DRUG LAB

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: RQ, HAZARDOUS WASTE SOLID, N.O.S. DOT I.D. No. (circle one) UN/(NA) 9189

Hazard Class: ORM-E RQ

Anticipated Volume: 25 (Drums) Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size: 5 GAL Container Type: METAL

Per: ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. ON BEHALF OF DEA — Generator's Signature

2. ALAN H. WINN — Name (Type or Print)

3. 6/4/90 — Date

4. S/A — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DE0052110

MSP Form 1040 II Rev. 10/89

DS V. MSP Releasable
PRODUCED BY MSP 9/93
BOX 5 [illegible]
Hartford, Minn.

MSD054

2198

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 901206

Form Approved. OMB No. 2050-0039 Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. AZD014210187 — Manifest Document No. 184222218
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
KARSTEN MANUFACTURING
2201 WEST DESERT COVE
PHOENIX AZ 85029

4. Generator's Phone (602) 277-1300

5. Transporter 1 Company Name — 6. US EPA ID Number
DISPOSAL CONTROL SERVICE INC — AZD 981 616 754

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 — LAD 981 057 706
(504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	State Waste No.
a. WASTE FLAMMABLE LIQUID N.O.S. (D001) FLAMMABLE LIQUID UN 1993	01012	DF	00101/10	G	D001 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
a. APPROVAL #: LA-HAZ-DESR/KRST/90087/0 Aerosols

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: BOB GASDER — Signature: [signature] — Month Day Year: 10 11 1991

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: PAUL W FREESALE — Signature: [signature] — Month Day Year: 10 11 1991

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052111

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA BASSETT — Signature: [signature] — Month Day Year: 10 16 1991

EPA Form 8700-22 (Rev. 9-88) Original-DEQ, Green-Generator's 2nd, Yellow-Disposer, Pink-Transporter, Gold-Generator 1st — DEQ FORM ITC-3 (8-93)

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GS V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2198

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

9002770 MAY 18 1990

For MSP Use Only
Approval Code DCSP/KRST/9002770

A. Generator Information

Generator Name KARSTEN MANUFACTURING
Site Address 2201 WEST DESERT COVE
City PHOENIX State AZ Zip Code 85029
Generator Contact MR. HOWARD HEIDEMAN
Title ENVIR. SAFETY DIRECTOR
Telephone No. (602) 277-1300
Facility EPA I.D. No. AZD042018184

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE INC.
Contact CYNTHIA CLOWES
Address 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
AEROSOLS TO INCLUDE:		100
FREKOTE HYSOL AC-4368 (CONTAINS SOLVENTS)		
SLIDE SILICONE (NOZZLES REMOVED)		

Common Name of Waste: AEROSOLS W/ NOZZLES REMOVED

E. General Characteristics

Color: VARIOUS
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

SOLID NEUTRAL

Ash (list actual Wt %): 70-80
BTU's per lb (list actual value): <5000
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ >10 List actual
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7 List actual
Viscosity (for bulk liquids only) List actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ >20 List actual
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ <2 or >12.5 List actual

Flash Point (closed cup): ☐ <100°F ☐ >200°F ☒ 100°-140°F ☐ ____°F ☐ 140°-200°F actual
Sulfur (Wt %): ☐ <5 ☐ >5 List actual value
Halogens (Wt %): NONE

	<1	1-5	5-10	If >10 List actual Wt %
☐ Iodine	☐	☐	☐	
☐ Bromine	☐	☐	☐	
☐ Chlorine	☐	☐	☐	
☐ Fluorine		actual Wt %		

Metals: EP Toxicity Test (MG/L)
Arsenic (As) ____ Selenium (Se) ____
Barium (Ba) ____ Silver (Ag) ____
Cadmium (Cd) ____ Copper (Cu) ____
Chromium (Cr) ____ Nickel (Ni) ____
Lead (Pb) ____ Zinc (Zn) ____
Mercury (Hg) ____

Organics (ppm)
Endrin 0
Lindane 0
Methoxychlor 0
Toxaphene 0
2,4-D 0
2,4,5-TP (Silvex) 0

If material contains the following compounds, indicate actual ppm:
PCB 0
Cyanides 0
Sulfides 0
Dioxin 0

DEC052112

US v. MSP Produced by MSP 9/93 Releasable
BOX 5 [illegible]
MSD054
2200

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US V. MSP Releasable
PRODUCED BY MSP 9/93
BOX 5 FOLDER 2
MSD054

H. Notes, Additional Information or Special Handling Instructions

Generating Process: AEROSOLS NO LONGER USED

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: WASTE FLAMMABLE LIQUID, N.O.S.

DOT I.D. No. (circle one) UN/NA

Hazard Class: FLAMMABLE LIQUID

RQ

Anticipated Volume: 2 (Drums) Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size: 5 GAL Container Type: POLY

Per: (This One time) ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Douglas D. Hamm (Generator's Signature)

2. DOUGLAS D. HAMM (Name (Type or Print))

3. 05/14/90 (Date)

4. HAZ TECH III (Title)

DEG052113

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

2201

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MATERIAL SAFETY DATA SHEET

AEROSOL A! & I.P. DIVISION
THE DEXTER CORPORATION
164 FOLLY MILL ROAD
SEABROOK, NH 03874

TELEPHONE 603-474-5541
EMERGENCY 603-474-5541

9/29/86

PRODUCT CODE: AC4368 DESCRIPTION: AC -4368 REVISION: 02

* N.A. = NOT APPLICABLE N.E. = NOT ESTABLISHED

RECEIVED
MAR 16 1987
KARSTEN MFG. CORP.

SECTION I - NOMENCLATURE

CHEMICAL NAME AND SYNONYMS
Not Applicable

TRADE NAME AND SYNONYMS
AC-4368

CHEMICAL FAMILY
Silicone resin in aliphatic hydrocarbon

FORMULA
Blend

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS MATERIAL	PERCENT	TLV MEAS.	CAS NBR	CARC
N-Hexane	86	500 ppm		

Propellant is FREON 12 (Dichlorodifluoromethane)

WHEN USED AS AEROSOL, PROPELLANT IS FREON 12 AND AEROSOL IS FLAMMABLE.

SECTION III - PHYSICAL DATA

BOILING PT (DEG. F)	N.A.	SPECIFIC GRAVITY (H2O=1)	bulk-7 F aerosol 95 F
VAPOR PRESSURE (MM HG) (Aerosol)	~50 psi	PCT VOLATILE BY VOL (%)	95
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (BU AC =1)	8.3
SOLUBILITY IN WATER	Insoluble		

APPEARANCE AND ODOR-
Clear, colorless

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (DEG. F)	N.A.	METHOD USED	N.A.
LOWER EXPLO. LEVEL	UNKNOWN	UPPER EXPLO. LEVEL	UNKNOWN

EXTINGUISHING MEDIA-
Foam, dry chemical or CO2

SPECIAL FIRE FIGHTING PROCEDURES-
Water may be ineffective

UNUSUAL FIRE AND EXPLOSION HAZARDS-
Keep away from hot surfaces

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE-
500 ppm

DEQ052114

MSD054
202

...CONTINUED...

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE-
5000 ppm results in dizziness

EMERGENCY AND FIRST AID PROCEDURES-
Inhalation - Fresh air
Skin & Eyes - Flush with water

SECTION VI - REACTIVITY DATA

STABILITY STABLE

CONDITIONS TO AVOID-
None known

INCOMPATIBILITY (MATERIALS TO AVOID)-
None known

HAZARDOUS DECOMPOSITION PRODUCTS-
None known

HAZARDOUS POLYMERIZATION-
Will not occur

CONDITIONS TO AVOID-
None known

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
Flush with large amounts of water. Wipe, mop, soak up after solvents and propellant evaporate.

WASTE DISPOSAL METHOD-
Danger! Contents under pressure. Do not puncture or incinerate. Bury in approved landfill in accordance with local regulaitons. This produc is an ignitable waste under RCRA.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)-
Air mask if in confined area

VENTILATION-
Local exhaust yes

PROTECTIVE GLOVES-
Not required

EYE PROTECTION-
goggles

OTHER PROTECTIVE EQUIPMENT-
Not required

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING-
Keep away from heat, open flame, or electric spark

OTHER PRECAUTIONS-
None

NAME: Dr. Sheldon Clark DATE 9/29/86

DEQ052115

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Reasonable
PRODUCED BY MSD 9/93
OR V. MSD

MSD054

Recycle/Reuse

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 9 8 2 7 2 8 4 8 7 7 | Manifest Document No. 9 5 2 6
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
General Engines
Interstate 295
Thorofare, New Jersey 08086

4. Generator's Phone (609) 845-5400

A. State Manifest Document Number: LA 1179526
B. State Generator's ID: same
C. State Transporter's ID: N/A
D. Transporter's Phone: 215-383-6600
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: (504) 631-3161

5. Transporter 1 Company Name: Delaware Container Company, Inc. | 6. US EPA ID Number: P A D 0 6 4 3 7 5 4 7 0
7. Transporter 2 Company Name | 8. US EPA ID Number:
9. Designated Facility Name and Site Address: Marine Shale Processors, Inc.
Highway 90 East
Morgan City, LA 70380 | 10. US EPA ID Number: L A D 9 8 1 0 5 7 7 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a. RQ, Hazardous Waste Solid, N.O.S. (toluene, xylene) ORM-E, NA9189, (F003, F005)	068	DM	37,400	P	F003, F005
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Physical State-S, Hazard Code-I,T
Approval #DCC/ENG/9003237

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
New Jersey Hauler Information-NJDEP S-4007, New Jersey Decal # 35980
PA Hauler # PA-AH0032

IN CASE OF EMERGENCY PLEASE CALL DCC (215) 383-6600 (24 hrs.)

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JACQUES A REVOIR | Signature | Month Day Year: 06 12 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: TRUMAN J. CLARY | Signature | Month Day Year: 06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: DARRELL BENNETT | Signature | Month Day Year: 06 12 90

FACILITY

19. Discrepancy Indication Space
DEQ052116

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA BASSETT | Signature | Month Day Year: 06 26 90

EPA Form 8700-22 (Rev. 9/88) Previous edition is obsolete.
DEQ FORM HW-3 (R 9/88)
TSD FACILITY COPY

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Produced by HSP 9/93 Releasable
Request # 5-1622
Box # 5
Waiver Needed
Original Missing

MSD054

2041 F

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

JUN 12 1990

9003237

For MSP Use Only

Approval Code DCC / GENG / 9003237

A. Generator Information

Generator Name General Engines
Site Address Interstate 295
City Thorofare State NJ Zip Code 08086
Generator Contact FRANK FLOWERS
Title
Telephone No. (609) 845 5400
Facility EPA I.D. No. NJD982728487

B. Customer Information

Company Name ~~Stanley~~ 5/11/90 Delaware Container Co.
Contact Vicki Shindler
Address W. 11th Ave. + Valley Rd
Coatesville PA 19320
Telephone No. (215) 383 6600
For Customer Use

C. Regulatory Information

X RCRA Regulated X Land Ban ☐ Non-Regulated EPA Waste Code(s) F003, F005

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)	MIN	MAX
solid paint	65	75
xylene	0	5
toluene	0	5
Acetone	0	5
steel drum bottoms	20	25

Common Name of Waste: Paint Solids

E. General Characteristics

Color: variety
Odor: ☐ None X Mild ☐ Strong
☐ Liquid ☐ Sludge X Solid ☐ Powder
Phases X Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 100%
BTU's per lb (list actual value): 11,000
Water (Wt %): X <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 X 1.0-1.2 ☐ >1.7 list actual SOLID
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): X 5-20 ☐ if > 20 list actual
pH: ☐ 2-6 X 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual SOLID

Flash Point (closed cup): ☐ < 100°F ☐ > 200°F ☐ 100°-140°F ☐ °F actual X 140°-200°F

Sulfur (Wt %): X < 5 ☐ if > 5 list actual value

Halogens (Wt %): X Iodine X Bromine X Chlorine X Fluorine 41 actual Wt %

	<1	1-5	5-10	if > 10 list actual Wt %
Iodine	X	☐	☐	
Bromine	X	☐	☐	
Chlorine	X	☐	☐	

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	<0.1	Selenium (Se)	<0.1
Barium (Ba)	<10	Silver (Ag)	<0.01
Cadmium (Cd)	0.02	Copper (Cu)	0.07
Chromium (Cr)	0.14	Nickel (Ni)	<0.05
Lead (Pb)	1.0	Zinc (Zn)	5.4
Mercury (Hg)	<0.1		

Organics (ppm)

		If material contains the following compounds, indicate actual ppm:	
Endrin	none	PCB	<10 ug/g
Lindane		Cyanides	none
Methoxychlor		Sulfides	
Toxaphene		Dioxin	
2,4-D			
2,4,5-TP (Silvex)			

DE0052117

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PRODUCED BY MSP 9/93
REQUEST #

MSD054

205

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DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #

H. Notes, Additional Information or Special Handling Instructions

The paint solids are packaged in 85 gal overpack drums. The drums also contain bottoms of 55 gal. drums full of hardened paint.

Generating Process: paint solids + steel drum bottoms from rinsing by solvents some paint equip on site

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: RQ Hazardous Waste Solid NOS (Toluene, Xylene) — DOT I.D. No. (circle one) UN/(NA) 9189

Hazard Class: ORM-E — RQ

Anticipated Volume: Drums 200 Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size: 85 gal — Container Type

Per ☐ One time ☐ Week ☐ Month ☒ Year ☐ Other

one time a year

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

X 1. [signature] — Generator's Signature

X 2. F. W. Flowers, Jr. — Name (Type or Print)

X 3. 6/4/90 — Date

X 4. president — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

DEQ052118

MSD054

2081

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015392

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD081096794 — Manifest Document No. 015392

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Miller Dial Corp.
4400 N. Temple City Blvd., El MOnte, CA 91731

4. Generator's Phone ( ) 818-444-4555

A. State Manifest Document Number: CAD081096794x 015392

B. State Generator's ID: CAD081096794

5. Transporter 1 Company Name: The Patterson Group

6. US EPA ID Number: CAD982369993

C. State Transporter's ID: 014187

D. Transporter's Phone: 818-336-7200

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706

G. State Facility's ID

H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. State Waste No.
a. Hazardous waste solid, n.o.s. (contains methyl ethyl ketone), ORM-E, NA9189 (F005)	2121	DM	21111	G	F005 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
rags and MEK

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: 818-336-7200
appropriate protective clothing
PATT/NDIC/9000482

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Mark Citron — Signature — Month Day Year

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Eric Luebke — Signature — Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space: DEQ052119
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

EPA Form ... WHITE - DEQ GREEN - Generator YELLOW - TEDDE BLUE - Transporter 1 PINK - Transporter 2 GOLD - Generator

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DEQ V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-MSD054
Manifest, MSDS

MSD054

201 F

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JAN 29 1990

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

90110482

For MSP Use Only
Approval Code PATT/MDIC/9000482

A. General Information

Company Name: Miller Diesel Corp.
Address: 4400 N. Temple City Blvd.
City: El Monte State: CA Zip Code: 91731
Generator Contact: Jim Salamone
Title:
Telephone No. (818) 444-4555
Facility EPA I.D. No.: CAD 081096794

B. Customer Information

Company Name: The Patterson Group.
Contact: Richard Marvin
Address: 13047 E. Valley Blvd.
City of Industry, CA 91746
Telephone No. (818) 336-7200
For Customer Use:

C. Regulatory Information

[X] RCRA Regulated [ ] Land Ban [ ] Non-Regulated EPA Waste Code(s): F005

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum columns must be greater than or equal to 100%)

	MIN	MAX
cotton rags	75	95
methyl ethyl ketone	5	15
u.v. ink	0	2

Common name of waste: rags

E. General Characteristics

Color: white

Odor: [ ] None [X] Mild [ ] Strong

[ ] Liquid [ ] Sludge [X] Solid [ ] Powder

Phases: [X] Single Layer [ ] Double Layer [ ] Multi-Layer

F. Specific Characteristics

Is the waste

Radioactive? Y (N) Polymerizable? Y (N)
Infectious? Y (N) Pyrophoric? Y (N)
Water Reactive? Y (N) Explosive? Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 3
BTU's per lb (list actual value): 7,000
Water (Wt %): [ ] <1 [ ] 1-5 [ ] 5-10 [ ] if > 10 list actual
Specific Gravity: [ ] <0.8 [ ] 0.8-1.0 [ ] 1.0-1.2 [X] 1.2-1.4 [ ] 1.4-1.7 [ ] >1.7 list actual
Viscosity (for bulk liquids only): list actual in centipoise _____ cp
Total Suspended Solids (Wt % - for bulk liquids only): [ ] 5-20 [ ] if > 20 list actual
pH: [ ] 2-6 [X] 6-10 [ ] 10-12.5 [ ] if < 2 or > 12.5 list actual

Flash Point (closed cup): [ ] < 100°F [ ] > 200°F [X] 100°-140°F [ ] _____ °F actual [ ] 140°-200°F

Sulfur (Wt %): [ ] < 5 [ ] if > 5 list actual value

Halogens (Wt %): [ ] Iodine [X] <1 [ ] 1-5 [ ] 5-10
[ ] Bromine [X] <1 [ ] 1-5 [ ] 5-10
[ ] Chlorine [X] <1 [ ] 1-5 [ ] 5-10
[ ] Fluorine _____ actual Wt %
If >10 list actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEC0521.20

GE V. MSP PRODUCED BY MSP 9/93 Releasable
BOX 5 Wilkes-Barre, PA 18773-0001 (717) 822-6811
Hartford, MDIC
MSD054

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H. Notes, Additional Information or Special Handling Instructions

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

wear appropriate protective clothing

Generating process: clean up

J. Shipping Information

DOT Hazardous Material Y N (circle one)

Proper Shipping Name: Hazardous Waste Solid, n.o.s. DOT I.D. No. UN/NA

Hazard Class: ORM-E RQ

Anticipated Volume: 16 Drums Gal Yds Lbs Bulk Roll

Container Size: 55 Container Type: 17H

Per: One time Week X Month Year Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] 1-23-90
   Generator's Signature

2. JIM SALAMONE
   Name (Type or Print)

3. 1-23-90
   Date

4. Purchasing Mgr.
   Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052121

MSP Form 1040 II Rev 10/89

US v. MSP Releasable
PRODUCED BY MSP 9/93
Box 6 of 15 Folder 1 of 1
Wastes, Waste

MSD054

209

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US V. NSP Releasable
PRODUCED BY NSP 9/93

MSD054

2101

PATTERSON RESOURCES
A DIVISION OF THE PATTERSON GROUP, INC.

13047 E. Valley Blvd.
Industry, CA 91746
(818) 336-7200
EPA ID# CAD982369993

January 23, 1990

Barbara Fonseca
Marine Shale Processors
110 James Drive West
Suite 120
St. Rose, LA 70087

Dear Barbara:

I am enclosing a Marine Shale characterization sheet for the generator Miller Dial.

Please note that this is an original characterization sheet with original signature. A draft of this characterization sheet was sent by FAX to Marine Shale earlier this week, and this morning you indicated a verbal approval to me by phone.

Please contact me as soon as possible with information regarding the approval of these wastes by your facility.

Yours truly,

Richard Marvin

DEQ052122

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 011675

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. MNDOO6172269 Manifest Document No. 11675
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
3M CHEMOLITE CENTER BLDG. 47 ATTN: JAMES D. PTACEK
P. O. BOX 33131 ST. PAUL, MN. 55133

4. Generator's Phone (612) 458-2141

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone (800) 558-6767
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161

5. Transporter 1 Company Name: SCHNEIDER TRANSPORT
6. US EPA ID Number: NONE
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON-REGULATED MATERIAL (OFF SPEC PRODUCTS & PRODUCTION WASTE)	72	DM	34834	P	NRM R
b. NON-REGULATED MATERIAL (OFF SPEC PRODUCTS & PRODUCTION WASTE)	4	DF	1935	P	NRM R
c. NON-REGULATED MATERIAL (EMPTY DRUMS)	24	DF	1200	P	NRM R
d. NON-REGULATED MATERIAL (EMPTY PAILS)	46	DM	150	P	NRM R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
a. THM/THM 8906028 b. THM/THM 8906028
c. THM/THM 8906068 d. THM/THM 8906067

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
IN CASE OF EMERGENCY OR SPILL, IMMEDIATELY CALL 3M: (612) 733-6100
PLACARDS REQUIRED: NONE
TRAILER NO. 89677
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JAMES D. PTACEK — Signature — Month Day Year: 06 21 90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year: 06 21 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
DEQ052123

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DAN (illegible) — Signature — Month Day Year: 06 25 90

WHITE - DEQ GREEN - Generator YELLOW - TODAY BLUE - Transporter PINK - Transporter GOLD - Generator

GENERATOR
TRANSPORTER
FACILITY

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PRODUCED BY NSP 9/93
REQUEST # 1-1600

MSD054

211 F

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MS-R-490-S

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # 8906028

MSP CODE: THM/THM/8906028

Generator Name: 3M Chemolite Plant
Facility Address: Hwy. 61 & Co. Rd. 19
Cottage Grove, MN 55016

City, State, Zip: above
Technical Contact: Mr. Gene Johnson
Title: Environmental Specialist
Telephone NO. (612) 778-5117 (XT:
Facility EPA ID #: MND 006172969

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

Non Regulated materials	100 %
Epoxy & Phenolic resins - latex	%
emulsions & water based - Hot	%
melt adhesives - Off Spec Products	%
(masking tape, audio tape, sand	%
paper) - filter cartridges, gloves,	%
rags - see also attachment #1	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm) NS=none suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Fluorine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm) NS=none suspected

Cresols	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2,4-D	NS		
2,4,5-T	NS		
Phenolics	NS		
PCBs	NS		
Dioxin	NS		
OC	NS		

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE: 11/20/89 GENERATOR'S SIGNATURE: Gene A Johnson

Bill To: Same
Company Contact: Douglas W. Johnson
Container Sizes: 55 gallon drums
EPA Waste No.: Non-Regulated by RCRA
Generating Process: Plant Wide Housekeeping
Common Name of Waste: Off Spec Products & Production Waste
Rate of Generation: _____ (Amount) _____ (Amount) PER _____ (Time period)
Volume in Storage: _____ (Amount) IN 55 gallons (Container Size and Type)
Is Waste DOT Hazardous: ( ) YES (X) NO
Proper DOT Shipping Name: Non regulated
Hazard Class: _____ ID No.: _____
Transportation Equipment: _____
Placarding: _____

PHYSICAL DESCRIPTION

Physical State	(X) Liquid	( ) Semi-solid	( ) Solid	
Phases/Layering	(X) Uni-Layer	( ) Bilayer	( ) Multilayer	
Viscosity	(X) High	( ) Medium	( ) Low	
Type of Solids	( ) Organic	( ) Inorganic	(X) Mixed	

Total Solids (wt. %): _____ Suspended Solids (wt. %): _____
BTU/lb: 0-15K % Ash Content: 0-50 % Water (by weight): _____
Flash Point (°F): > 140 Type: _____
Specific Gravity: _____
Boiling Point, (°C): _____ Freezing Point, (°C): _____
Vapor Pressure (mm Hg @ 20°C): _____
pH (Avg): neutral (Range): _____ to _____
Total Alkalinity/Acidity (%): varies
Odor: _____
Color: varies

HAZARDOUS PROPERTIES

( ) Water Reactive	( ) Reactive	(X) NONE
( ) Shock Sensitive	( ) Pyrophoric	( ) Explosive
( ) Radioactive	( ) Pesticide Residuals	( ) Polymerizable
( ) Corrosive	( ) Toxic Vapor	( ) Ignitable
( ) Biological	( ) Etiological	( ) Pathogen
( ) Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

DEC0521.24

OR V. MSP
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Releasable
REQUEST #
BOX
Douglas Johnson Waste

MSD054

2121

US-R-490-5

Attachment #1

Description of Non RCRA Regulated Material

1. Plastic Pellets - approximately 1/8 inch in diameter made of PVC, polyethylene or polypropylene.

2. Epoxy and Phenolic Resins - both liquid and solid.

3. Water-based Adhesives and Latex.

4. Hot Melt Adhesives.

5. Off-Specification Products - tape, sandpaper, audio tape, etc.

6. Filter cartridges, rags, gloves, paper containing no free liquid.

7. Empty Plastic Drums

I certify that none of these materials are hazardous waste by RCRA. Materials will contain no iron thicker than 12 gauge, no stone or concrete greater than one inch in diameter, nor wood longer than three feet or larger than four by four inches.

Gene A Johnson 11/20/89

Gene A. Johnson
3M Company
Environmental Engineering and
Pollution Control Division
Bldg. 21-24-05
P. O. Box 3331
St. Paul , MN 55133

EPA I. D. NO. MND 006172969

DEQ052125

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DS V. MSP Releasable
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REQUEST # 5
BOX # 5 ITEMS 1-7
Material, misc.

MSD054

2131F

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US-R-490-S

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 468-3310

MSP Document # 8906028

MSP CODE THM/THM/8906028

Generator Name 3M Chemolite Plant
Mailing Address Hwy. 61 & Co. Rd. 19
Cottage Grove, MN 55016

City, State, Zip Above
Technical Contact Mr. Gene Johnson
Title Environmental Specialist
Telephone NO. (612) 778-5117 EXT:
Facility EPA ID # MND 006172969

Bill To: Same
Company Contact Douglas W. Johnson
Container Size 55 gallon drums
EPA Waste No. Non-Regulated by RCRA
Generating Process Plant Wide Housekeeping
Common Name of Waste Off Spec Products & Production Waste
Rate of Generation _____ _____ PER _____
(Pounds) (Tonnes) (Time Period)
Volume in Storage _____ IN 55 gallons
(Pounds) (Tonnes) (Container Unit and Type)

Is Waste DOT Hazardous ( ) YES (X) NO
Proper DOT Shipping Name Non regulated
Hazard Class _____ ID No. _____
Transportation Equipment _____
Recording _____

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

Non Regulated materials	100 %
Epoxy & Phenolic resins - latex	%
emulsions & water based - Hot	%
melt adhesives - Off Spec Products	%
(masking tape, audio tape; sand	%
paper) - filter cartridges, gloves,	%
rags - see also attachment #1	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

ORGANICS (mg/l or ppm) NS=none suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Fluoride	NS		
Peroxide	NS		
Aniline	NS		
Phenols	NS		
Pyridine	NS		
Organophosphate	NS		
Benzene	NS		
Toluene	NS		
Xylene	NS		
Ethylbenzene	NS		
Chlorobenzene	NS		
Dichlorobenzene	NS		

ORGANICS (mg/l or ppm) NS=none suspected

PCBs	NS	Organohalide	NS
Thiocyanate	NS	Mercaptans	NS
Acrylonitrile	NS		
Phosphates	NS		
Dioxins	NS		
Furans	NS		
Acrolein	NS		
Acetonitrile	NS		
Ethylene Oxide	NS		
Epichlorohydrin	NS		

PHYSICAL DESCRIPTION

Physical State	(X) Liquid	(X) Semi-solid	(X) Solid	
Phases/Layering	(X) Uni-Layer	(X) Bilayer	(X) Multilayer	
Viscosity	(X) High	(X) Medium	(X) Low	
Type of Solids	( ) Organic	( ) Inorganic	(X) Mixed	

Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb 0-15K % Ash Content 0-50 % Water (by weight) _____
Flash Point (°F) > 140 Type _____
Specific Gravity _____
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) _____
pH (Avg) neutral (Range) _____ to _____
Total Alkalinity/Acidity (%) Varies
Odor _____
Color varies

HAZARDOUS PROPERTIES

( ) Water Reactive	( ) Reactive	(X) NONE
( ) Shock Sensitive	( ) Pyrophoric	( ) Explosive
( ) Radioactive	( ) Pesticide Residuals	( ) Polymerizable
( ) Corrosive	( ) Toxic Vapor	( ) Ignitable
( ) Biological	( ) Etiological	( ) Pathogen
( ) Other _____		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: _____

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

I certify that the information contained herein is complete and accurate to the best of my knowledge and ability to verify that the materials tested are representative of all the materials subject to the contract.

Date 11/20/90 GENERATOR'S SIGNATURE Gene A Johnson

DEC052126

DB V. MSP PRODUCED BY MSP 9/92 Releasable
BOX # 5 REQUEST # 1-1000
Manifest, Misc.
MSD054
214

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: THM | THM | 8906067

MCD Document # 8906067

NOV 22 1989

US-R-490-S

Generator Name: 3M Chemolite Plant
Facility Address: Hwy 61 & County Rd 19
Cottage Grove, MN 55016
City, State, Zip:
Technical Contact: Mr Gene Johnson
Title: Environmental Specialist
Telephone NO. (612) 778-5117 EXT:
Facility EPA ID #: MND 006 172 969

Bill To: Same
Company Contact: Gene Johnson
Container Size: 5 gallon steel or pails, taped
EPA Waste No.: Non Regulated by RCRA
Generating Process: Plant Wide House Keeping
Common Name of Waste: Empty 5 gallon pails-steel
Rate of Generation: 1,000 (Quan) (Units) PER year (Time Interval)
Volume in Storage: (Quan) (Units) IN (Container Size and Type)
Is Waste DOT Hazardous [ ] YES [X] NO
Proper DOT Shipping Name:
Hazard Class: ID No.:
Transportation Equipment:
Placarding:

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

RCRA Empty 5 gallon steel pails	100 %
	%
	%
Formerly Contained Materials such as:	%
1) Solvents (MEK, Toluene etc..)	%
2) Some RCRA wastes (no P wastes)	%
3) Non RCRA material,	%
4) Off-spec Products	

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm) NS = None Suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Flourine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm) NS = None Suspected

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2, 4-5	NS		
2,4,5-T	NS		
Phenol(ics)	NS		
PCBs	NS		
Dioxin	NS		
TOC			

DEMO52127

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phases/Layering	[X] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[ ] High	[ ] Medium	[ ] Low	
Type of Solids	[ ] Organic	[ ] Inorganic	[X] Mixed	

Total Solids (wt. %): Suspended Solids (wt. %):
BTU/lb < 100 % Ash Content > 99 % Water (by weight):
Flash Point (°F) > 200 Type:
Specific Gravity:
Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) Still neutral (Range) to
Total Alkalinity/Acidity (%)
Odor:
Color:

HAZARDOUS PROPERTIES

[X] NONE

[ ] Water Reactive	[ ] Reactive	[ ] Explosive
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Polymerizable
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Ignitable
[ ] Corrotive	[ ] Toxic Vapor	[ ] Pathogen
[ ] Biological	[ ] Etiological	
[ ] Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 11/22/89 GENERATOR'S SIGNATURE: Gene A. Johnson

DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 5
Caller: [illegible]
Mailed: [illegible]
MSD054
215

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626

MCDS Document # 89116067

NOV 22 1989

US-R-490-5

THM | THM | 8901606?
MSP CODE

Generator Name 3M Chemolite Plant
Facility Address Hwy 61 & County Rd 19
Cottage Grove, MN 55016
City, State, Zip
Technical Contact Mr Gene Johnson
Title Environmental Specialist
Telephone NO. (612) 778-5117 EXT:
Facility EPA ID # MND 006 172 969

Bil. To: Same
Company Contact: Gene Johnson
Contanier Size: 5 gallon steel on pallets, taped
EPA Waste No. Non Regulated by RCRA
Generating Process Plant Wide House Keeping
Common Name of Waste Empty 5 gallon pails - steel
Rate of Generation 4000 (Quant) (Units) PER year (Time Interval)
Volume In Storage (Quant) (Units) IN (Container Size and Type)
Is Waste DOT Hazardous | | YES |X| NO
Proper DOT Shipping Name
Hazard Class ID No.
Transportation Equipment
Placarding

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

RCRA Empty 5 gallon steel pails	100 %
	%
	%
Formerly Containing Materials such as:	%
1) Solvents (MEK, Toluene etc..)	%
2) Some RCRA wastes (no P wastes)	%
3) Non RCRA materials	%
4) Off spec products	

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm) NS = None Suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Flourine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm) NS = None Suspected

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2, 4-5	NS		
2,4,5-T	NS		
Phenol(ics)	NS		
PCBs	NS		
Dioxin	NS		
TOC			

PHYSICAL DESCRIPTION

Physical State			Liquid		Semi-solid	X	Solid
Phases/Layering	X	Uni-Layer		Bilayer			Multilayer
Viscosity			High		Medium		Low
Type of Solids			Organic		Inorganic	X	Mixed

Total Solids (wt. %) Suspended Solids (wt. %)
BTU/lb < 100 % Ash Content > 99 % Water (by weight)
Flash Point (°F) > 200 Type
Specific Gravity
Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) solid neutral (Range) to
Total Alkalinity/Acidity (%)
Odor
Color

HAZARDOUS PROPERTIES

		Water Reactive		Reactive	X	NONE	
		Shock Sensitive		Pyrophoric		Explosive	
		Radioactive		Pesticide Residuals		Polymriable	
		Corrotive		Toxic Vapor		Ignitable	
		biological		Etiological		Pathogen	

	Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 11/22/89 GENERATOR'S SIGNATURE: Gene A Johnson

DE0521128

DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1622
Box 5 - 11-1622 thru 11-1622
Hazardous Waste
MSD054
2 1 8

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # 8916067

NOV 22 1989

SALES (504) 465-3310
PLANT (504) 631-3626

MSP CODE: THM|THM|8906067

US-R-490-5

Generator Name: 3M Chemolite Plant
Facility Address: Hwy 61 & County Rd 19
Cottage Grove, MN 55016
City, State, Zip:
Technical Contact: Mr. Gene Johnson
Title: Environmental Specialist
Telephone NO. (612) 778-5117 EXT:
Facility EPA ID #: MND 006 172 969

Bill To: Same
Company Contact: Gene Johnson
Container Size: 5 gallon steel on pallets, taped
EPA Waste No.: Non Regulated by RCRA
Generating Process: Plant Wide House Keeping
Common Name of Waste: Empty 5 gallon pails/liners
Rate of Generation: 4,000 (Quant) (Units) PER year (Time interval)
Volume in Storage: (Quant) (Units) IN (Container Size and Type)

Is Waste DOT Hazardous | | YES |X| NO
Proper DOT Shipping Name:
Hazard Class: ID No.:
Transportation Equipment:
Placarding:

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

RCRA Empty 5 gallon steel pails	100 %
	%
	%
Formerly Containing Materials such as:	%
1) Solvents (MEK, Toluene etc..)	%
2) Some RCRA wastes (no P wastes)	%
3) Non RCRA materials	%
4) Off spec products	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm) NS = None Suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Flourine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm) NS = None Suspected

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2, 4-5	NS		
2,4,5-T	NS		
Phenolics	NS		
PCBs	NS		
Dioxin	NS		
TOC			

PHYSICAL DESCRIPTION

Physical State		Liquid	Semi-solid	X Solid
Phases/Layering	X Uni-Layer	Bilayer	Multilayer	
Viscosity		High	Medium	Low
Type of Solids		Organic	Inorganic	X Mixed

Total Solids (wt. %): Suspended Solids (wt. %):
BTU/lb <100 % Ash Content 99 % Water (by weight):
Flash Point (°F) >200 Type:
Specific Gravity:
Boiling Point, (°C): Freezing Point, (°C):
Vapor Pressure (mm Hg @ 24°C):
pH (Avg) Mild neutral (Range): to
Total Alkalinity/Acidity (%):
Odor:
Color:

HAZARDOUS PROPERTIES

		X NONE
Water Reactive	Reactive	Explosive
Shock Sensitive	Pyrophoric	Polymerizable
Radioactive	Pesticide Residuals	Ignitable
Corrosive	Toxic Vapor	Pathogen
Biological	Etiological	
Other:		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 11/22/89 GENERATOR'S SIGNATURE: Gene A Johnson

DE005212.29

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1600
Box 1 of 1
Hazardous Waste

MSD054

2217

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # 89116068

SALES (504) 465-3310
PLANT (504) 631-3626
US-R-490-S

MSP CODE: THM/THM/8906068

NOV 22 1989

Generator Name: 3M Chemolite Plant
Facility Address: Hwy 61 & County Rd 19
Cottage Grove, MN 55016
City, State, Zip:
Technical Contact: Mr Gene Johnson
Title: Environmental specialist
Telephone NO. (612) 778-5117 EXT:
Facility EPA ID #: MND 006 172 969

Bill To: 89 Same
Company Contact: Gene Contact
Container Size: Empty 55's
EPA Waste No.: Non Regulated By RCRA
Generating Process: Plant Wide Housekeeping
Common Name of Waste: Empty 55 Steel Drums
Rate of Generation: 1000 (Quant) (Units) PER Year (Time Interval)
Volume in Storage: 20,000 (Quant) (Units) IN 55's (Container Size and Type)

Is Waste DOT Hazardous | | YES [X] NO
Proper DOT Shipping Name
Hazard Class ID No.
Transportation Equipment
Placarding

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

RCRA Empty Steel Drums	100
Formerly Containing Materials Such as	
1) Solvents (MEK, Xylene ETC...)	
2) Some RCRA wastes (No P wastes)	
3) Non-RCRA wastes	
4) Off-spec Products	

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm) NS = None Suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Flourine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm) NS = None Suspected

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2, 4-5	NS		
2,4,5-T	NS		
Phenolic(s)	NS		
PCBs	NS		
Dioxin	NS		
TOC			

DEQ0521.30

PHYSICAL DESCRIPTION

Physical State				[X] Solid
Phases/Layering	[X] Uni-Layer			
Viscosity				
Type of Solids				[X] Mixed

Total Solids (wt. %) Suspended Solids (wt. %)
BTU/lb <100 % Ash Content 99 % Water (by weight)
Flash Point (°F) > 200 Type
Specific Gravity
Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) Solid neutral (Range) to
Total Alkalinity/Acidity (%)
Odor None
Color

HAZARDOUS PROPERTIES

[X] NONE

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310
PLANT (504) 631-3626
US-R-490-5

MGDS Document # 89116068

MSP CODE: THM/THM/8906068

NOV 22 1989

Generator Name 3M Chemolite Plant
Facility Address Hwy 61 & County Rd 19
Cottage Grove, MN 55016
City, State, Zip
Technical Contact Mr Gene Johnson
Title Environmental Specialist
Telephone NO. (612) 778-5117 EXT:
Facility EPA ID # MND 006 172 969

Bill To: Same
Company Contact: Gene Contact
Container Size: Empty 55's
EPA Waste No. Non Regulated By RCRA
Generating Process Plant Wide House Keeping
Common Name of Waste Empty 55 Steel Drums
Rate of Generation 10,000 (Kilos) (Units) PER Year (Time Interval)
Volume In Storage 20,000 (Kilos) (Units) IN 55's (Container Size and Type)

Is Waste DOT Hazardous [ ] YES [X] NO
Proper DOT Shipping Name
Hazard Class ID No.
Transportation Equipment
Placarding

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

RCRA Empty Steel Drums, 100 %

Formerly Containing Materials Such as
1) Solvents (MEK, Toluene ETC...)
2) Some RCRA wastes (No P wastes)
3) Non-RCRA wastes
4) Off-spec Products

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	NS	Silver (Ag)	NS
Barium (Ba)	NS	Copper (Cu)	NS
Cadmium (Cd)	NS	Nickel (Ni)	NS
Chromium (Cr)	NS	Zinc (Zn)	NS
Lead (Pb)	NS		
Mercury (Hg)	NS		
Selenium (Se)	NS		

INORGANICS (mg/l or ppm) NS = None Suspected

Total CN	NS	Iodine	NS
Free CN	NS	Asbestos	NS
Sulfide	NS		
Chloride	NS		
Bisulfite	NS		
Sulfite	NS		
Sulfate	NS		
Phosphate	NS		
Flourine	NS		
Bromine	NS		
Chlorine	NS		

ORGANICS (mg/l or ppm) NS = None Suspected

Endrin	NS	Organohalide	NS
Methoxychlor	NS	Mercaptans	NS
Toxaphene	NS		
2, 4-5	NS		
2,4,5-T	NS		
Phenolics)	NS		
PCBs	NS		
Dioxin	NS		
TOC			

DEQ05213.1

PHYSICAL DESCRIPTION

Physical State [ ] Liquid [ ] Semi-solid [X] Solid
Phases/Layering [X] Uni-Layer [ ] Bilayer [ ] Multilayer
Viscosity [ ] High [ ] Medium [ ] Low
Type of Solids [ ] Organic [ ] Inorganic [X] Mixed
Total Solids (wt. %) Suspended Solids (wt. %)
BTU/lb <100 % Ash Content 99 % Water (by weight)
Flash Point (°F) > 200 Type
Specific Gravity
Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) Solid material (Range) to
Total Alkalinity/Acidity (%)
Odor None
Color

HAZARDOUS PROPERTIES

[X] NONE

[ ] Water Reactive [ ] Reactive [ ] Explosive
[ ] Shock Sensitive [ ] Pyrophoric [ ] Polymriable
[ ] Radioactive [ ] Pesticide Residuals [ ] Ignitable
[ ] Corrotive [ ] Toxic Vapor [ ] Pathogen
[ ] biological [ ] Etiological
[ ] Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 11/22/89 GENERATOR'S SIGNATURE: Gene A. Johnson

DS V. MSP PRODUCED BY MSP 9/93 Releasable
BOX # 5 Hazardous Waste
MSD054
2219

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST, No. 901192

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. AZD 981215212 — Manifest Document No. 18716196
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Arizona Dept of Enviromental Quality
2655 E. Magnolia
Phoenix Az 85034

4. Generator's Phone (205) 392-4078

SITE
ALAMO LAKE

5. Transporter 1 Company Name — 6. US EPA ID Number
Disposal Control Service Inc. — AZD 981164154 3R

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
LAD 981057706
Phone: (504) 831-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE FLAMMABLE LIQUID NOS, UN 1993	0101	DF	010014	G	D001
b. RQ, HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	0101	DF	010085	Y	N/A
c. RQ, HAZARDOUS WASTE SOLID N.O.S ORM-E NA 9189	0101	DF	010010	Y	N/A
d. RQ, HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	0014	DF	000015	Y	N/A

GENERATOR

J. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE
a. DESP/AZD 981215212
b. DESP/AZD 981215212
c. DESP/AZD 981215212
d. DESP/AZD 981215212

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
FRANKLIN O. MILLS	Franklin O. Mills	06 12 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
PAUL W. EBERSOLE / Don Wetzel	Paul W Ebersole	06 12 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
		06 23 90

FACILITY

19. Discrepancy Indication Space
DEQ052132

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
GINA BASSETT	Gina Bassett	06 27 90

EPA Form 8700-22 (Rev. 9-85) Original-DEQ, Green-Generator's 2nd, Yellow-Disposer, Pink-Transporter, Gold-Generator 1st

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US v. NSP — Releasable — PRODUCED BY NSP 9/93 — REQUEST # MSD054

MSD054

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 21 1990

9002817

For MSP Use Only
Approval Code DCSP/AZDQ/9002817

A. Generator Information

Generator Name: ARIZONA DEPT. OF ENVIRON QUALITY
Site Address: 2655 E MAGNOLIA
City: PHOENIX State: AZ Zip Code: 85034
Generator Contact: FRANKLIN O MILLS
Title: EMERGENCY RESPONSE FOREMAN
Telephone No.: (602) 392-4078
Facility EPA I.D. No.: AZD982522187

B. Customer Information

Company Name: DISPOSAL CONTROL SERVICE
Contact: CYNTHIA CLOWES
Address: 888 W ILLINI
PHOENIX AZ 85041
Telephone No.: (602) 268-0999
For Customer Use:

C. Regulatory Information

[X] RCRA Regulated [ ] Land Ban [ ] Non-Regulated EPA Waste Code(s): D001

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
AEROSOL SPRAY CANS TO INCLUDE:		100%
ETHER, ACETONE TOLUENE PETROLEUM DISTILLATES (FIX-A-FLAT) 1,1,1-TRICHLORO ETHANE (ENGINE DEGREASER) ROTELLA-T MOTOR OIL - ALL WITH NOZZLES REMOVED		

Common Name of Waste: AEROSOL SPRAY CANS W/NOZZLES REMOVED

E. General Characteristics

Color:
Odor: [ ] None [ ] Mild [ ] Strong
[ ] Liquid [ ] Sludge [ ] Solid [ ] Powder
Phases: [ ] Single Layer [ ] Double Layer [X] Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 70-80
BTU's per lb (list actual value): < 5000
Water (Wt %): [ ] <1 [ ] 5-10 [ ] 1-5 if > 10 list actual
Specific Gravity: [ ] < 0.8 [ ] 1.2-1.4 [ ] 0.8-1.0 [ ] 1.4-1.7 [ ] 1.0-1.2 [ ] > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): [ ] 5-20 if > 20 list actual
pH: SOLID NEUTRAL [ ] 2-6 [ ] 6-10 [ ] 10-12.5 if < 2 or > 12.5 list actual

Flash Point (closed cup): [ ] < 100°F [ ] > 200°F [X] 100°-140°F [ ] °F actual [ ] 140°-200°F
Sulfur (Wt %): [ ] < 5 if > 5 list actual value
Halogens (Wt %): <1 1-5 5-10 if > 10 list actual Wt %

	<1	1-5	5-10	if > 10 list actual Wt %
[ ] Iodine				
[ ] Bromine		NONE		
[ ] Chlorine				
[ ] Fluorine				

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052133

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US V. MSP PRODUCED BY MSP 9/93 REQUEST # 1 Releasable

MSD054

221

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CS V. MSP PRODUCED BY MSP 9/93 Releasable
REQUEST # 1-1-1-

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 21 1990

9002818

For MSP Use Only
Approval Code DCSP/AZDQ/9002818

A. Generator Information

Generator Name: ARIZONA DEPT OF ENVIRON QUALITY
Site Address: 2655 E MAGNOLIA
City: PHOENIX State: AZ Zip Code: 85034
Generator Contact: FRANKLIN O MILLS
Title: EMERGENCY RESPONSE FOREMAN
Telephone No. (602): 392-4078
Facility EPA I.D. No.: AZD982522187

B. Customer Information

Company Name: DISPOSAL CONTROL SERVICE INC.
Contact: CYNTHIA CLOWES
Address: 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602): 268-0999
For Customer Use

C. Regulatory Information

Y? RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s): NON REGULATED NONE

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ROOFING TAR		100%

Common Name of Waste: ROOFING TAR HARDENED FROM TIME

E. General Characteristics

Color:
Odor: ☐ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y (N) Polymerizable? Y (N)
Infectious? Y (N) Pyrophoric? Y (N)
Water Reactive? Y (N) Shock Sensitive? Y (N)
Explosive? Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 5-10
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ >10 list actual
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ >20 list actual
pH: SOLID NEUTRAL ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ <2 or >12.5 list actual
BTU's per lb (list actual value): <5000 list actual
Flash Point (closed cup): ☐ <100°F ☒ >200°F ☐ 100°-140°F ☐ 140°-200°F ☐ °F actual
Sulfur (Wt %): ☐ <5 ☐ >5 list actual value
Halogens (Wt %): ☐ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual Wt %
☐ Iodine ☐ ☐ ☐
☐ Bromine ☐ ☐ ☐
☐ Chlorine ☐ ☐ ☐
☐ Fluorine ☐ ☐ ☐ actual Wt %
NONE

Metals: EP Toxicity Test (MG/L)
Arsenic (As) Barium (Ba) Cadmium (Cd) Chromium (Cr) Lead (Pb) Mercury (Hg)
Selenium (Se) Silver (Ag) Copper (Cu) Nickel (Ni) Zinc (Zn)

Organics (ppm)
Endrin Lindane Methoxychlor Toxaphene 2,4-D 2,4,5-TP (Silvex)

If material contains the following compounds, indicate actual ppm:
PCB Cyanides Sulfides Dioxin

DE0052135

US V. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # 1 BOX 1 of 1 Facility Records

MSD054

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: ILLEGAL DUMPING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

1. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: RQ HAZARDOUS WASTE SOLID, N.O.S.

DOT I.D. No. UN (NA) 9189 (circle one)

RQ

Hazard Class: ORM-E

Anticipated Volume: (Drums) Gal Yds Lbs ☐ Bulk ☐ Rail

Container Size: Container Type: 14 GAL POLY OPEN-TOP

Per: ☐ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Franklin O. Mills — Generator's Signature

2. FRANKLIN O. MILLS — Name (Type or Print)

3. 6-12-90 — Date

4. ERS-11 — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052136

MSP Form 1040 II Rev. 10/89

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US v. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-11-93
BOX 5
Hartford, MICS

MSD054

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 21 1990

9002818

For MSP Use Only
Approval Code DCSP/AZDQ/9002818

A. Generator Information

Generator Name ARIZONA DEPT. OF ENVIRON QUALITY
Site Address 2655 E MAGNOLIA
City PHOENIX State AZ Zip Code 85034
Generator Contact FRANKLIN O MILLS
Title EMERGENCY RESPONSE FOREMAN
Telephone No. (602) 392-4078
Facility EPA I.D. No. AZD982522187

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE INC.
Contact CYNTHIA CLOWES
Address 888 WILLIN
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s) NON REGULATED-NONE

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ROOFING TAR		100%

Common Name of Waste: ROOFING TAR HARDENED FROM TIME

E. General Characteristics

Color:
Odor: ☐ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive? Y (N) Polymerizable? Y (N)
Infectious? Y (N) Pyrophoric? Y (N)
Water Reactive? Y (N) Explosive? Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 5-10
BTU's per lb (list actual value): <5000
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ >10 List actual
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7 List actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ >20 List actual
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ >2 or <12.5 List actual
SOLID NEUTRAL

Flash Point (closed cup): ☐ <100°F ☒ >200°F ☐ 100°-140°F ☐ 140°-200°F ☐ °F actual
Sulfur (Wt %): ☐ <5 ☐ >5 List actual value

Halogens (Wt %): <1 / 1-5 / 5-10 / >10 list actual Wt %
☐ Iodine ☐ ☐ ☐
☐ Bromine ☐ ☐ ☐
☐ Chlorine ☐ ☐ ☐
☐ Fluorine actual Wt %
None

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052137

MSD054

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US v. MSP Releasable
PRODUCED BY MSP 9/93

H. Notes, Additional Information or Special Handling Instructions

Generating Process: ILLEGAL DUMPING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: RQ, HAZARDOUS WASTE SOLID, N.O.S.

DOT I.D. No. (circle one) UN (NA) 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: (Drums) Gal Yds lbs ☐ Bulk? ☐ Roll?

Container Size: 1 Container Type: 14 GAL POLY OPEN-TOP

Per: (☒ One time) ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Franklin O. Mills — Generator's Signature

2. FRANKLIN O. MILLS — Name (Type or Print)

3. 6-12-90 — Date

4. ERS-11 — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052138

MSP Form 1040 II Rev. 10/89

MSD054

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 21 1990

9002819

For MSP Use Only
Approval Code MSP/AZDQ/9002819

A. Generator Information

Generator Name: ARIZONA DEPT OF ENVIRON. QUALITY
Site Address: 2655 E. MAGNOLIA
City: PHOENIX State: AZ Zip Code: 85034
Generator Contact: FRANKLIN O. MILLS
Title: EMERGENCY RESPONSE FOREMAN
Telephone No.: (602) 392-4078
Facility EPA I.D. No.: AZD982522187

B. Customer Information

Company Name: DISPOSAL CONTROL SERVICE INC.
Contact: CYNTHIA CLOWES
Address: 888 W ILLINI
PHOENIX AZ 85041
Telephone No.: (602) 268-0999
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s): NON-REGULATED-NONE

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ROOFING TAR	0	<1%
WATER	0	1%
VERMICULITE	99	100%

Common Name of Waste: ROOFING TAR/WATER/VERMICULITE

E. General Characteristics

Color:
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive? Y (N) Polymerizable? Y (N)
Infectious? Y (N) Pyrophoric? Y (N)
Water Reactive? Y (N) Explosive? Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 10-20
BTU's per lb (list actual value): <5000
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ > 10 list actual
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ > 20 list actual
pH: NEUTRAL SOLID ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ < 2 or > 12.5 list actual

Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ °F actual
Sulfur (Wt %): ☐ < 5 ☐ > 5 list actual value

Halogens (Wt %): ☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine — <1 / 1-5 / 5-10 — NONE — if > 10 list actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following chlorinated compounds, indicate actual ppm; if not, leave blank:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DE0052139

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MSD054

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: ILLEGAL DUMPING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: RQ, HAZARDOUS WASTE SOLID, N.O.S.

DOT I.D. No. (circle one) UN (NA) 9189

Hazard Class: ORM-E RQ

Anticipated Volume: (Drums) Gal Yds Lbs ☐ Bulk ☐ Rail

Container Size: 1 Container Type: 14 GAL POLY OPEN-TOP

Per: (☒ One time) ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Generator's Signature: Franklin O. Mills

2. Name (Type or Print): FRANKLIN O. MILLS

3. Date: 6-12-90

4. Title: ERS-II

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052140

MSP Form 1040 II Rev. 10/89

DS V. HSP Releasable PRODUCED BY HSP 9/93 REQUEST # 1-1165 Hartford, Illinois

MSD054

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 21 1990

9002820

For MSP Use Only
Approval Code DCSP/AZDQ/9002820

A. Generator Information

Generator Name ARIZONA DEPT. OF ENVIRON. QUALITY
Site Address 2655 E MAGNOLIA
City PHOENIX State AZ Zip Code 85034
Generator Contact FRANKLIN O MILLS
Title EMERGENCY RESPONSE FOREMAN
Telephone No. (602) 392-4078
Facility EPA I.D. No. AZD982522187

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE INC.
Contact CYNTHIA CLOWES
Address 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban X Non-Regulated EPA Waste Code(s) NON REGULATED-NONE

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
SOIL	75	80
CANNISTER OIL FILTERS 4"x3"	0	10
WASTE MOTOR OIL	0	10

Common Name of Waste: MOTOR OIL CONTAMINATED SOIL W/ CANNISTER FILTERS

E. General Characteristics

Color: BROWN
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 80-90
BTU's per lb (list actual value): < 5000
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 list actual ____
Specific Gravity: ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual ____
Viscosity (for bulk liquids only) list actual in centipoise: ____ cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual ____
pH: NEUTRAL SOLID ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual ____

Flash Point (closed cup): ☐ < 100°F ☒ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ ____ °F actual
Sulfur (Wt %): ☐ < 5 ☐ if > 5 list actual value ____

Halogens (Wt %): NONE

	<1	1-5	5-10	if > 10 list actual Wt %
☐ Iodine	☐	☐	☐	
☐ Bromine	☐	☐	☐	
☐ Chlorine	☐	☐	☐	
☐ Fluorine		actual Wt %		

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	0	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm)

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052141

MSD054
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H. Notes, Additional Information or Special Handling Instructions

Generating Process: ILLEGAL DUMPING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name RQ, HAZARDOUS WASTE SOLID, N.O.S. DOT I.D. No. (circle one) UN (NA) 9189

Hazard Class ORM-E RQ

Anticipated Volume (Drums) Gal Yds Lbs ☐ Bulk? ☐ Roll?

Container Size 1-30 GAL Container Type POLY - OPEN TOP

Per ☒ One time ☐ Week ☐ Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Franklin O. Mills — Generator's Signature

2. FRANKLIN O. MILLS — Name (Type or Print)

3. 5-12-90 — Date

4. ERS-II — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052142

MSP Form 1040 II Rev. 10/89

US v. MSP Releasable — Produced by MSP 9/93 — Request # 1996-0000 — Box 5

MSD054

2201

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 016264

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAQ000035366 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
AVALON COMMUNICATIONS
3236 W 131ST STREET, HAWTHORNE, CA 90250

4. Generator's Phone (213) 973-0817

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: GRAPHIC DISPOSAL
6. US EPA ID Number: LAD982030181

C. State Transporter's ID 014238

D. Transporter's Phone 213-921-8087

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706

G. State Facility's ID

H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, SOLID N.O.S. ORM-E NA-9189	001	DM	001355	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) WASTE INK & CANS
GRD/AVAL/9002327

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: LOUIS A. POSSEHARN — Signature: Louis A Possehn — Month Day Year: 11 15 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MICHAEL LOCKHART — Signature: Michael Lockhart — Month Day Year: 11 15 90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052143

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA PRIEST — Signature — Month Day Year

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – [SDRF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

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DS V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2231

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. APR 27 1990 For MSP Use Only
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310 9002327

Approval Code GRD/AVAL/9002327

A. Generator Information

Generator Name Avalon Communications
Site Address 3238 W. 131st St
City Hawthorne State CA Zip Code 90250
Generator Contact Louis Passemato
Title Print Mgr
Telephone No. (213) 973 0817
Facility EPA I.D. No. CAL 000 035366

B. Customer Information

Company Name GRAPHIC DISPOSAL, INC.
Contact WILLIAM B. BATTAGLIA
Address 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213) 921-8097
For Customer Use

C. Regulatory Information

1 - RCRA Regulated Land Ban X Non-Regulated EPA Waste Code(s) RCRA EXEMPT

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ALKYD RESIN	7.5	
PHENOLIC RESIN (SOLID)	10.0	
MINERAL OIL	13.0	
LINSEED OIL	8.0	
POLYETHLENE WAX	1.5	
MAGNESE & COBALT TALLATE	1.0	
DRY PIGMENT	9.0	
SOLVENT	50.0	

Common Name of Waste: INK CANS NO THICKER THAN 17H WASTE INK

E. General Characteristics

Color: BROWN
Odor: : None X Mild : Strong
: Liquid : Sludge X Solid Powder
Phases Single Layer X Double Layer Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 53.8
BTU's per lb (list actual value): 10,000
Water (Wt %): X <1 : 1-5 : 5-10 : > 10 ; list actual
Specific Gravity: X < 0.8 : 0.8-1.0 : 1.0-1.2 : 1.2-1.4 : 1.4-1.7 : > 1.7 ; list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): 5-20 : > 20 ; list actual
pH: 2-6 : 6-10 : 10-12.5 : < 2 or > 12.5 ; list actual ORGANIC NEUTRAL

Flash Point (closed cup): < 100°F : > 200°F : 100°-140°F : 280 °F actual : 140°-200°F
Sulfur (Wt %): X < 5 ; > 5 list actual value

Halogens (Wt %): <1 / 1-5 / 5-10 / > 10 list actual Wt %

Iodine	X			
Bromine	X			
Chlorine	X			
Fluorine				

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	.1	Silver (Ag)	.01
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm) n/s NONE SUSPECTED.

Endrin	n/s
Lindane	n/s
Methoxychlor	n/s
Toxaphene	n/s
2,4-D	n/s
2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s
Cyanides	n/s
Sulfides	n/s
Dioxin	n/s

DEQ052144

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1165

MSD054

223

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DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #

H. Notes, Additional Information or Special Handling Instructions

Generating Process: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, SOLID N.O.S.

DOT I.D. No. (circle one) UN/NA 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: Drums 1 x 55 Gal Yds lbs Bulk? Roll?

Container Size: 55 GALLON

Container Type: 55 GALLON STEEL

Per: One time Week Month Year X Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials listed are representative of all material described by this Materials Characterization Data Sheet.

1. Louis A. Posselmato
Generator's Signature

2. LOUIS A. POSSELMATO
Name (Type or Print)

3. APRIL 26, 1990
Date

4. PRINT MGR.
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

DEQ052145

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE ✓

MANIFEST Nº 016265

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. / Manifest Document No.: 9 9 9 9 9 9 3 9 4 9 3

2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
COMMERCIAL PRESS ✓
955 GATEWAY CENTER WAY, SAN DIEGO, CA 92102 ✓
4. Generator's Phone (619) 527-4600 ✓

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: GRAPHIC DISPOSAL ✓
6. US EPA ID Number: C A D 9 8 2 2 0 3 0 1 6 1
C. State Transporter's ID: 014238
D. Transporter's Phone: 213-921-8097

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 ✓
10. US EPA ID Number: L A D 9 8 1 0 5 7 7 0 6
G. State Facility's ID
H. Facility's Phone: (504) 631-3161 ✓

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, LIQUID N.O.S. ORM-E NA-9189	0001	DM	000110	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above
A). WASTE INK
GRD/SPBB/9002981
CRD

RECYCLE / REUSE

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: Jack A. Backen ✓ | Signature ✓ | Month Day Year: 9/11/90

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael Lockhart ✓ | Signature: Michael Lockhart | Month Day Year: 09/18/90
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space
DEQ052146
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Gina Bennett | Signature | Month Day Year: 9/13/90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDRF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

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U.S. v. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

224 F

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC. MAY 31 1990
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310 9002981

For MSP Use Only
Approval Code GRD/CRS0/9002981

A. Generator Information

Generator Name COMMERCIAL PRESS
Site Address 955 GATEWAY CENTER WAY
City SAN DIEGO State CA Zip Code 92102
Generator Contact Jack Backer
Title Suberviser
Telephone No. (619 527-4600
Facility EPA I.D. No. CAL000039163

B. Customer Information

Company Name GRAPHIC DISPOSAL, INC.
Contact WILLIAM B. BATTAGLIA
Address 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213) 921-8097
For Customer Use
INK WASTE

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s) RCRA EXEMPT

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ALKYD RESIN	15	
PHENOLIC RESIN (SOLID)	20	
MINERAL OIL	26	
LINSEED OIL	16	
POLYETHLENE WAX	3	
MAGANESE & COBALT TALLATE	2	
	18	

Common Name of Waste: DRY PIGMENT

E. General Characteristics

Color: BROWN
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☒ Sludge ☐ Solid ☐ Powder
Phases ☐ Single Layer ☒ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 3.85
BTU's per lb (list actual value): 16,000
Water (Wt %): ☒ <1 ☐ 5-10 ☐ 1-5 ☐ > 10 list actual
Specific Gravity: ☒ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ > 20 list actual
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ > 12.5 list actual ORGANIC NEUTRAL

Flash Point (closed cup): ☐ < 100°F ☐ > 200°F ☐ 100°-140°F ☐ 280 °F ☐ 140°-200°F actual
Sulfur (Wt %): ☒ < 5 ☐ > 5 list actual value

Halogens (Wt %):

	<1	1-5	5-10	> 10 list actual Wt %
☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine		actual Wt %		

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	1	Silver (Ag)	.01
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm)

Endrin	n/s
Lindane	n/s
Methoxychlor	n/s
Toxaphene	n/s
2,4-D	n/s
2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s
Cyanides	n/s
Sulfides	n/s
Dioxin	n/s

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CA V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

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H. Notes, Additional Information or Special Handling Instructions

Generating Process:

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material Y N

Proper Shipping Name: HAZARDOUS WASTE, LIQUID N.O.S.

DOT I.D. No. (circle one) UN/NA 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: Drums Gal 1 x 55 Yds Lbs ☐ Bulk ☐ Roll

Container Size: 55 GALLON

Container Type: 55 GALLON STEEL

Per: ☐ One time ☐ Week ☐ Month ☐ Year ☒ Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] Generator's Signature

2. Jack A Backer — Name (Type or Print)

3. 5-30-90 — Date

4. Supervisor — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052147

MSP Form 1040 II Rev. 10/89

OS V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1993-1166-MSP

MSD054

2 2 3 6

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No. 919444

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD980980526 — Manifest Document No.
2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
KRUPP/TAYLOR
12600 CULVER BLVD., LOS ANGELES, CA 90066
4. Generator's Phone (213) 806-3646

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID 014238
D. Transporter's Phone 213-021-8097
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161

5. Transporter 1 Company Name: GRAPHIC DISPOSAL — 6. US EPA ID Number: CAP000320282
7. Transporter 2 Company Name — 8. US EPA ID Number
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380 — 10. US EPA ID Number: LAD981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. ORM-E NA-9189	005	DF	01917	P G	RCRA EXEMPT R
b. HAZARDOUS WASTE, LIQUID N.O.S. ORM-E NA-9189	002	DM	00110	G	RCRA EXEMPT R
c. HAZARDOUS WASTE, SOLID N.O.S. ORM-E NA-9189	017	DM	00935	G	RCRA EXEMPT R
d. HAZARDOUS WASTE, FLAMMABLE LIQUID N.O.S. UN-1993	003	DM	00165	G	D001 R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) PLASTIC PAILS & BUCKETS GRD/KTUS/9000268
B) WASTE PRINTING INK 100% GRD/KTUS/9000269
C) WASTE INK & CANS GRD/KTUS/9000270
D) SOLVENT WASTE GRD/KTUS/9000271

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
PETER F. BAILEY		06 20 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
MICHAEL LOCKHART	Michael Lockhart	06 20 91

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052148

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month Day Year
Gail Leonard	Gail Armant	06 26 91

EPA Form [illegible]

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U.S. v. MSP — PRODUCED BY MSP 9/93 — Releasable

BOX 5 — MANIFESTS

MSD054

2231

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-2310

JAN 19 1990 9000268

For MSP Use Only
Approval Code GRO/KTLS/9000268

A. General Information

Company Name: Krupp/TaylorUSA
Address: 12800 Culver Blvd
City: Los Angeles State: CA Zip Code: 90066
Generator Contact: James Johnson
Title: V.P. Operations/General Manager
Telephone No: (213) 306-3646
Facility EPA I.D. No.: CAD 982985716

B. Customer Information

Company Name: GRAPHIC DISPOSAL, INC.
Contact: WILLIAM B. BATTAGLIA
Address: 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No.: (213) 921-8097
For Customer Use:

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☒ Non-Regulated EPA Waste Code(s): RCRA EXEMPT(CAL WASTE ONLY)

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
3GAL. EMPTY PLASTIC PAILS NO THICKER THAN 17H	100%	

EMPTY PLASTIC PAILS

E. General Characteristics

Color: WHITE
Odor: ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phase: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Special Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 15%
BTU's per lb (list actual value): 5000
Water (Wt %): ☒ <1 ☐ 1-5 ☐ 5-10 ☐ >10 list actual
Specific Gravity: ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☒ >1.7 list actual
Viscosity (for bulk liquids only): list actual in centipoise cp
Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ >20 list actual
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ <2 or >12.5 list actual ORGANIC NEUTRAL

Flash Point (closed cup): ☐ <100°F ☒ >200°F ☐ 100°-140°F ☐ 140°-200°F ☐ ____°F actual
Sulfur (Wt %): ☒ <5 ☐ >5 list actual value

Halogens (Wt %): <1 / 1-5 / 5-10 / >10 list actual Wt %

☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine				

DEQ052149

Metals: EP Toxicity Test (MG/L) N/S NONE-SUSPECTED

Arsenic (As)	N/S	Selenium (Se)	N/S
Barium (Ba)	N/S	Silver (Ag)	N/S
Cadmium (Cd)	N/S	Copper (Cu)	N/S
Chromium (Cr)	N/S	Nickel (Ni)	N/S
Lead (Pb)	N/S	Zinc (Zn)	N/S
Mercury (Hg)	N/S		

Organics (ppm)

Endrin	N/S		
Lindane	N/S		
Methoxychlor	N/S		
Toxaphene	N/S		
2,4-D	N/S		
2,4,5-TP (Silvex)	N/S		

If material contains the following compounds, indicate actual ppm:

PCB	N/S
Cyanides	N/S
Sulfides	N/S
Dioxin	N/S

DS V. MSP PRODUCED BY MSP 9/93 Releasable
BOX 5 REQUEST # 1
MSD054
2 of 8

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US v. NSP PRODUCED BY NSP 9/93 Releasable
REQUEST # 1
BOX # 5

H. Notes, Additional Information or Special Handling Instructions

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, SOLID N.O.S.

DOT I.D. No. (circle one) UN/NA 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: Drums Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size: 1 PALLET SHRINK WRAP

Container Type: 4x4 PALLET

Per ☐ One time ☐ Week ☐ Month ☐ Year ☒ Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. James Johnson
Generator's Signature

2. James Johnson
Name (Type or Print) DEQ052150

3. 1/15/90
Date

4. Vice President, Operations/General Manager
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSD054

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

9000269

JAN 19 1990

For MSP Use Only
Approval Code GRD/KTUS/9000269

A: Generator Information

Generator Name: Krupp/Taylor USA
Site Address: 12800 Culver Bl.
City: Los Angeles, State: CA Zip Code: 90066
Generator Contact: James Johnson
Title: V.P. Operation/General Manager
Telephone No. (213) 306-3646
Facility EPA I.D. No.: CAD 982985716

B: Customer Information

Company Name: GRAPHIC DISPOSAL, INC.
Contact: WILLIAM B. BATTAGLIA
Address: 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213) 921-8097
For Customer Use:

C: Regulatory Information

RCRA Regulated | Land Ban | X Non Regulated | EPA Waste Code(s): RCRA EXEMPT

D: Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20% - Total in maximum columns must be greater than or equal to 100%)

	MIN	MAX
ALKYD RESIN	15	
PHENOLIC RESIN (SOLID)	20	
MINERAL OIL	26	
LINSEED OIL	16	
POLYETHILENE WAX	3	
COLBALT & MANGANESE TALLATE	2	
	18	

Common Name of Waste: INK WASTE

E: General Characteristics

Color: BLACK
Odor: X None | Mild | Strong
Liquid | X Sludge | Solid | Powder
Flames: X Single Layer | Double Layer | Multi Layer

F: Special Characteristics

Is the waste:

Radioactive?	Y (N)	Polymerizable?	Y (N)
Infectious?	Y (N)	Pyrophoric?	Y (N)
Water Reactive?	Y (N)	Explosive?	Y (N)

G: Physical/Chemical Properties

Ash (list actual Wt %): 3.85
BTU's per lb (list actual value): 16,000
Water (Wt %): X < 1 | 1-5 | 5-10 | if > 10 list actual
Specific Gravity: X < 0.8 | 0.8-1.0 | 1.0-1.2 | 1.2-1.4 | 1.4-1.7 | > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: ____ cp
Total Suspended Solids (Wt % - for bulk liquids only): 5-20 | if > 20 list actual
pH: 1-2.6 | 11.6-10 | 10-12.5 | if < 2 or > 12.5 list actual ORGANIC NEUTRAL

Flash Point (closed cup): < 100 F | 100-140 F | 140-200 F | > 200 F: 280 F actual
Sulfur (Wt %): X < 5 | if > 5 list actual value:
Halogens (Wt %): < 1 | 1-5 | 5-10 | if > 10 list actual Wt %
- Iodine: X
- Bromine: X
- Chlorine: X
- Fluorine: ____ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	1	Silver (Ag)	
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm): n/s NONE SUSPECTED

Endrin	n/s
Lindane	n/s
Methoxychlor	n/s
Toxaphene	n/s
2,4-D	n/s
2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s
Cyanides	n/s
Sulfides	n/s
Dioxin	n/s

DEQ052151

DS V. MSP
PRODUCED BY MSP 9/93
Releasable
REQUEST #
BOX #
MSD054
2240

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U.S. V. NSP Releasable PRODUCED BY NSP 9/93

H. Notes, Additional Information or Special Handling Instructions

Generating Process: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, LIQUID N.O.S.

DOT I.D. No. (circle one) UN/NA: 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: Dram / Gal / Yds / Lbs / Bulk / Roll: 1 X 55 GAL.

Container Size: 55 GALLON

Container Type: 55 GALLON STEEL

Per: 1 One time / Week / 1 Month / Year / XOther 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. James Johnson — Generator's Signature

2. James Johnson — Name (Type or Print)

3. 1-15-90 — Date

4. Vice President Operations/General — Title

DE0052152

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 1089

MSD054

241

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

JAN 19 1990

9000270

For MSP Use Only

Approval Code GRD/KTLS/9000270

A: Generator Information

Generator Name Krupp/Taylor USA
Site Address 12800 Culver Bl.
City Los Angeles, State CA Zip Code 90066
Generator Contact James Johnson
Title V.P. Operations/General Manager
Telephone No. (213) 306-3646
Facility EPA I.D. No. CAD 982985716

B: Customer Information

Company Name GRAPHIC DISPOSAL, INC.
Contact WILLIAM B. BATTAGLIA
Address 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213 921-8097
For Customer Use

C: Regulatory Information

RCRA Regulated | Land Ban | X Non Regulated | EPA Waste Code(s) RCRA EXEMPT

D: Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total minimum column must be greater than or equal to 100%.)

	MIN	MAX
ALKYD RESIN	7.5	
PHENOLIC RESIN (SOLID)	10.0	
MINERAL OIL	13.0	
LINSEED OIL	8.0	
POLYETHILENE WAX	1.5	
MAGNESE & COBALT TALLATE	1.0	
DRY-PIGMENT	9.0	
	50.0	

Common Name of Waste INK CANS NO THICKER THAN 17H WASTE INK.

E: General Characteristics

Color: BROWN
Odor: None | X Mild | Strong
Liquid | Sludge | XSolid | Powder
Phases: Single Layer | X Double Layer | Multi Layer

F: Specific Characteristics

Is the waste:

Radioactive? Y (N) | Polymerizable? Y (N)
Infectious? Y (N) | Pyrophoric? Y (N)
Water Reactive? Y (N) | Explosive? Y (N)

G: Physical/Chemical Properties

Ash (list actual Wt %): 53.8
BTU's per lb (list actual value): 10,000
Water (Wt %): X <1 | 5-10 | 1-5 | >10 — list actual
Specific Gravity: X <0.8 | 1.2-1.4 | 0.8-1.0 | 1.4-1.7 | 1.0-1.2 | >1.7 — list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): <5 | 5-20 | >20 — list actual
pH: 1-2-6 | 6-10 | 10-12.5 | >12 or <2 — list actual ORGANIC NEUTRAL

Flash Point (closed cup): <100 F | 100-140 F | 140-200 F | >200 F: 280 F actual

Sulfur (Wt %): X <5 | >5 list actual value

Halogens (Wt %): <1 | 1-5 | 5-10 | >10 list actual Wt %
Iodine: X
Bromine: X
Chlorine: X
Fluorine: actual Wt %

Metals: EP Toxicity Test (MG/L)
Arsenic (As) .002
Barium (Ba)
Cadmium (Cd) .005
Chromium (Cr) .05
Lead (Pb) .05
Mercury (Hg) .0002
Selenium (Se) .002
Silver (Ag) .01
Copper (Cu)
Nickel (Ni)
Zinc (Zn)

Organics (ppm) n/s NONE SUSPECTED.
Endrin n/s
Lindane n/s
Methoxychlor n/s
Toxaphene n/s
2,4 D n/s
2,4,5 TP (Silvex) n/s

If material contains the following compounds, indicate actual ppm:
PCB n/s
Cyanides n/s
Sulfides n/s
Dioxin n/s

DEQ052153

U.S. V. MSP
PRODUCED BY MSP 9/93
Releasable
BOX 5
Marked, Not Admitted

MSD054

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US V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1665
BOX # 5

H. Notes, Additional Information or Special Handling Instructions

Generating Process: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, SOLID N.O.S.

DOT I.D. No. (circle one) UN NA 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: Drums Gal 1 x 55 Yds Lbs Bulk Roll

Container Size: 55 GALLON

Container Type: 55 GALLON STEEL

Per: One time / Week / Month / Year / X Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. James Johnson
Generator's Signature

2. James Johnson
Name (Type or Print)

3. 1-15-90
Date

4. Vice President Operations/General Mg
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052154

MSP Form 1040 II Rev. 10/89

MSD054

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MSP MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504.465.3310

JAN 19 1990

9000271

For MSP Use Only
Approval Code GRD/KTUS/9000271

A: General Information

Company Name: Krupp/Taylor USA
Address: 12800 Culver Blvd
City: Los Angeles State: CA Zip Code: 90066
Generator Contact: James Johnson
Title: V.P. Operations/General Manager
Telephone No.: (213) 306-3646
Facility EPA I.D. No.: CAD 982985716

B: Customer Information

Company Name: GRAPHIC DISPOSAL, INC
Contact: WILLIAM R. BATTAGLIA
Address: 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No.: (213) 921-8097
For Customer Use:

C: Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s): D001

D: Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
ALPHATIC HYDROCARBONS	40	
AROMATIC HYDROCARBONS	40	
WATER	20	
(CONTAINS NO F SOLVENTS)		

E: General Characteristics

Color: BROWN

Odors: ☐ None ☒ Mild ☐ Strong

☒ Liquid ☐ Sludge ☐ Solid ☐ Powder

Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F: Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G: Physical/Chemical Properties

Ash (list actual Wt %): 2.0

Water (Wt %): ☒ < 1 ☐ 5-10 ☐ 1-5 ☐ > 10 list actual:

Specific Gravity: ☒ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual:

BTU's per lb (list actual value): 8,000

Viscosity (for bulk liquids only) list actual in centipoise: cp

Total Suspended Solids (Wt %-for bulk liquids only): ☐ 5-20 ☐ > 20 list actual:

pH: ☐ 2-6 ☐ 8-10 ☐ 10-12.5 ☐ < 2 or > 12.5 list actual: ORGANIC NEUTRA

Flash Point (closed cup): ☒ < 100°F ☐ > 200°F ☐ 100°-140°F ☐ 140°-200°F ☐ ____°F actual

Sulfur (Wt %): ☒ < 5 ☐ > 5 list actual value:

Halogens (Wt %): < 1 / 1-5 / 5-10 / > 10 list actual Wt %

	< 1	1-5	5-10	> 10 list actual Wt %
☐ Iodine	☒	☐	☐	
☐ Bromine	☒	☐	☐	
☐ Chlorine	☒	☐	☐	
☐ Fluorine		actual	Wt %	

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	n/s	Selenium (Se)	n/s
Barium (Ba)	n/s	Silver (Ag)	n/s
Cadmium (Cd)	n/s	Copper (Cu)	n/s
Chromium (Cr)	n/s	Nickel (Ni)	n/s
Lead (Pb)	n/s	Zinc (Zn)	n/s
Mercury (Hg)	n/s		

n/s NONE SUSPECTED

Organics (ppm)

Endrin	n/s	Toxaphene	n/s
Lindane	n/s	2,4-D	n/s
Methoxychlor	n/s	2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s	Sulfides	n/s
Cyanides	n/s	Dioxin	n/s

DEQ052155

MSD054

2494

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H. Notes, Additional Information or Special Handling Instructions

GENERATING PROCESS: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name HAZARDOUS WASTE, FLAMMABLE LIQUID N.O.S. DOT I.D. No. (circle one) UN/NA 1993

Hazard Class FLAMMABLE LIQUID RQ

Anticipated Volume Drums 1 x 55 Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size 55 GALLON Container Type 55 GALLON STEEL

Per ☐ One time ☐ Week ☐ Month ☐ Year ☒ Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. James Johnson
Generator's Signature

2. James Johnson
Name (Type or Print)

3. 1/15/90
Date

4. Vice President Operations/General Manager
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DE0052156

DS V. HSP PRODUCED BY HSP 9/93 Releasable REQUEST #

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015977

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000032746 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SIR SPEEDY PRINTING
1701 E. EDINGER, SANTA ANA, CA 92705

4. Generator's Phone (714) 543-9341

5. Transporter 1 Company Name: GRAPHIC DISPOSDL
6. US EPA ID Number: CAD982050381

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: LAD981057706

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID 014733
D. Transporter's Phone 213-921-8097
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, SOLID, N.O.S. ORM-E NA-9189	001	DM	010020	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) WASTE INK & CANS
GRD/SIRS/~~8906386~~ 8906337

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLVOES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] — Signature — Month Day Year: 10 11 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael Lovera — Signature — Month Day Year: 10 11 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052157

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Carl Lormand — Signature — Month Day Year: 10 16 92

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDRF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

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US V. NSP Releasable
PRODUCED BY NSP 9/93
REQUEST # 1-1555
Box 1 of 1
Manifest, Misc.

MSD054

2246 F

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MARINE SHALE PROCESSORS, INC.

89116337
MCDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1698 • KENNER, LA 70063
(504) 465-3310

GRD/SIRS/8906337

DEC 11 1989

MSP CODE: _____

Generator Name: Sir Speedy
Facility Address: 1701 E Ellinger
City, State, Zip: Santa Ana CA 92705
Technical Contact: Lease Iverson
Title: Plant Mgr.
Telephone NO.: 714 / 543 9341 EXT:
Facility EPA ID #: CAL 000 031 749

Bill To: GRAPHIC DISPOSAL INK
Address: 15207 MARQUARDT AVE.
City, State, Zip: S.F.S. CA 90670
Telephone #: (213) 921-8097
Company Contact: William B BATTAGLIA
Container Size: 55 gal STEEL
EPA Waste No. RCRA EXEMPT (CAL. WASTE ONLY)
Generating Process: PRINTING
Common Name of Waste: INK - CANS
Rate of Generation: 1 (#Quant) x 55 (#Units) PER 90 DAYS (Time Interval)
Volume in Storage: 1 (Quant) x 55 (Units) IN 55 gal STEEL (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: HAZ. WASTE, Solid N.O.S.
Hazard Class: ORM-E ID No. NA-9189
Transportation Equipment: TRUCK
Placarding: NONE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

ALKYD RESIN	7.5 %
PHENOLIC RESIN (Solid)	10.0 %
MINERAL OIL	13.0 %
LINSEED OIL	8.0 %
POLYETHYLENE WAX	1.5 %
MANGESE - Cobalt TALLATE	1.0 %
DRY PIGMENT	9.0 %
SLIGHTLY INK CANS NO THINNER THIN WITH	SG: 0

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.002	Silver (Ag)	.01
Barium (Ba)	.1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (Cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

INORGANICS (mg/l or ppm) # NIS - SUSPECTED

Total CN	NIS	Iodine	NIS
Free CN	NIS	Asbestos	NIS
Sulfide	NIS		
Chloride	NIS		
Bisulfite	NIS		
Sulfite	NIS		
Sulfate	NIS		
Phosphate	NIS		
Fluorine	NIS		
Bromine	NIS		
Chlorine	NIS		

ORGANICS (mg/l or ppm)

Endrin	NIS	Organohalide	NIS
Methoxychlor	NIS	Mercaptans	NIS
Toxaphene	NIS		
2, 4-D	NIS		
2,4,5-T	NIS		
Phenolics	NIS		
PCBs	NIS		
Dioxin	NIS		
TOC	NIS		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid			[ ] Semi-solid	[X] Solid		
Phases/Layering	[ ] Uni-Layer		[X] Bilayer		[ ] Multilayer		
Viscosity	[ ] High		[X] Medium		[ ] Low		
Type of Solids	[ ] Organic		[ ] Inorganic		[ ] Mixed		

Total Solids (wt. %) ~ Suspended Solids (wt. %) _____
BTU/lb 12,000 % Ash Content 53.8 % Water (by weight) _____
Flash Point (°F) 280°F Type _____
Specific Gravity _____
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) _____
pH (Avg) ORGANIC NEUTRAL (Range) _____ to _____
Total Alkalinity/Acidity (%) _____
Odor Mild
Color BROWN

HAZARDOUS PROPERTIES

[ ] Water Reactive		[ ] Reactive		[X] None			
[ ] Shock Sensitive		[ ] Pyrophoric		[ ] Explosive			
[ ] Radioactive		[ ] Pesticide Residuals		[ ] Polymerizable			
[ ] Corrosive		[ ] Toxic Vapor		[ ] Ignitable			
[ ] Biological		[ ] Etiological		[ ] Pathogen			

[ ] Other _____

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

WEAR GLOVES & GOGGLES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

DIEGO52158

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 12-7-89 GENERATOR'S SIGNATURE: _____

OS V. MSP PRODUCED BY MSP 9/93 Releasable
BOX # 5 REQUEST # 1
MSD054
2471

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST NO. 901205

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. AZD014201181 | Manifest Document No. 814101010176 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
KARSTEN MANUFACTURING
2201 WEST Desert Cove
Phoenix Az. 85029

4. Generator's Phone (602) 277-1300

5. Transporter 1 Company Name: Disposal Control Services Inc. | 6. US EPA ID Number: AZD 981 161 514

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD 981 051 706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	Waste No.
a. WASTE FLAMMABLE SOLID N.O.S. (D001) FLAMMABLE SOLID UN 1325	003	DM	00075	P	D001
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above: RECYCLE / REUSE
ADDITIONAL DESR/KRST/890652952
RAE

K. Handling Codes for Wastes Listed Above:

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
BOB GASPER		10/16/1990

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
PAUL W EBERSOLE / Don Wetzel	Paul W Eberson / Don Wetzel	10/16/1990 06/23/90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
DEQ052159

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
GINA BASSETT		10/21/90

EPA Form 8700-22 (Rev. 9-88) Original-DEQ Green-Generator's 2nd. Yellow-Disposer. Pink-Transporter. Gold-Generator 1st

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US V. NSP Releasable
PRODUCED BY NSP 9/93
REQUEST #

MSD054

2298 F

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US v. MSP PRODUCED BY MSP 9/93 Releasable

BOX 5 REQUEST # [illegible]

MSD054

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

JAN 17 1990 8906529

For MSP Use Only
Approval Code DCSP/KRST/8906529

A. General Information

Company Name KARSTEN MANUFACTURING
Address 2201 WEST DESERT COVE
City PHOENIX State AZ Zip Code 85029
Generator Contact HOWARD HEINEMAN
Title ENVIRONMENTAL SAFETY DIRECTOR
Telephone No. (602) 277-1300
Facility EPA I.D. No. AZ0042018184

B. Customer Information

Company Name DISPOSAL CONTROL SERVICE
Contact CYNTHIA CLOWES
Address 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001 *

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
RAGS (PAPER AND OR CLOTH) *	99	100
PAINT PIGMENTS *	0	<1
ACETONE	0	<1
n-BUTYL ACETATE	0	<1
XYLENES	0	<1
CELOSOLVE ACETATE	0	<1

Common name of waste:

E. General Characteristics

Color
Odor ☒ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☒ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 40-95
Water (Wt %): ☐ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ >1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual
pH – SOLID NEUTRAL: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual
BTU's per lb (list actual value): 500-1000 list actual

Flash Point (closed cup): ☐ < 100°F ☐ > 200°F ☐ 100°-140°F ☐ ____°F ☐ 140°-200°F ..... actual
Sulfur (Wt %): ☐ < 5 ☐ if > 5 list actual value

Halogens (Wt %): ☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine ____ actual Wt %

	<1	1-5	5-10
Iodine	NONE		
Bromine			
Chlorine			

If > 10 list actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	<5	Selenium (Se)	<1
Barium (Ba)	<100	Silver (Ag)	<5
Cadmium (Cd)	<1	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	<5	Zinc (Zn)	0
Mercury (Hg)	<0.2		

Organics (ppm)

Endrin	0	2,4-D	0
Lindane	0	2,4,5-TP (Silvex)	0
Methoxychlor	0		
Toxaphene	0		

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

DEQ052160

2 of 9

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RECEIVED
JAN 10 1990
KARSTEN MFG. CORP.

RECEIVED
DEC 14 1989

H. Notes, Additional Information or Special Handling Instructions

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

Generating process:

J. Shipping Information

DOT Hazardous Material (Y) N (circle one)

Proper Shipping Name RQ, HAZARDOUS WASTE SOLID, N.O.S. DOT I.D. No. UN NA 9189

Hazard Class ORM-E RQ

Anticipated Volume (Drums) Gal Yds Lbs Bulk Roll

Container Size 55 GAL Container Type 17-H METAL

Per ☐ One time ☐ Week X Month ☐ Year ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] * Generator's Signature [signature]

2. Howard Heidemann Name (Type or Print)

3. 12-15-89 * Date 1-11-90

4. Director of Environmental/Safety Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEB052141

US V. KEP Releasable
PRODUCED BY KEP 9/93
REQUEST # -1166
Box 5 - Hazardous Waste

MSD054

2290

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No. 915177

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981141910 — Manifest Document No. 915177
2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Electropneumatic
3016 Kansas Riverside, CA 92507
4. Generator's Phone (714) 787-0410

5. Transporter 1 Company Name — 6. US EPA ID Number
Disposal Control Service Inc — CAT100810343
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 — LAD981057706

A. State Manifest Document Number: 915177
B. State Generator's ID: HAI 936019295
C. State Transporter's ID: 007319
D. Transporter's Phone: 714-989-0342
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE Solid NOS ORM-E NA9189	001	DM	000055	G	NRM
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
1A. Water based paint filters See Attached Analysis
Profile # NCS/EDC 08903698

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Wear Appropriate Safety Equipment (1X55)

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: David G. Dunkle — Signature: [signature] — Month Day Year: 10/12/1990

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Gonzalez / Don Wolfe — Signature: [signature] Gulf Coast — Month Day Year: 10/11/90 10/12/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
DE0052162

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA PRISETT — Signature: [signature] — Month Day Year: 10/12/90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

GENERATOR — TRANSPORTER — FACILITY

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US v. HSP Produced by HSP 9/93 Releasable

Box 1 Request # 1 Waste Analysis

MSD054

2291 F

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MCDS Document # 8903698

JUL 03 1989

MSP CODE: DCS | EPCO | 8903698

#1 Generator Name: Electropneumatic
Facility Address: 3010 Kansas
Riverside, Ca. 92507
City, State, Zip:
Technical Contact: Dave Dunlap
Title: Supervisor
Telephone NO.: 714, 784-0410 (EXT.)
Facility EPA ID #: CAD981419401

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

Water-based paint filters containing (contains toluene, methylene chloride, propane, hexane, naptha)	99 %
	1 %
	%
	%
	%
	%

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	<1%		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

#6 Bill To: DISPOSAL CONTROL SERVICE
Company Contact: MARIE RIVERA
Container Size: 55 gallon
EPA Waste No.: not regulated
Generating Process: painting
Common Name of Waste: water-based paint filters/feeding
Rate of Generation: 2 drums/yr for one time
Volume in Storage: 2 drums in 55 gal/steel
Is Waste DOT Hazardous: [X] YES [ ] NO
Proper DOT Shipping Name: Hazardous waste Solid, NOS
Hazard Class: ORM-E ID No.: NA9189
Transportation Equipment: VAN
Placarding: NA9189

#7 PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phases/Layering	[X] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[X] High	[ ] Medium	[ ] Low	
Type of Solids	[ ] Organic	[ ] Inorganic	[X] Mixed	

Total Solids (wt. %): 100 Suspended Solids (wt. %):
BTU/lb: 2000 % Ash Content: 50-60 % Water (by weight):
Flash Point (°F): None Type: closed cup
Specific Gravity: 1.0 g/ml
Boiling Point, (°C): Freezing Point, (°C):
Vapor Pressure (mm Hg @ 24°C):
pH (Avg): 7 (Range): 6 to 8
Total Alkalinity/Acidity (%):
Odor: solvent
Color: various

#8 HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[X] NONE	
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive	
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable	
[ ] Corrosive	[ ] Toxic Vapor	[ ] Ignitable	
[ ] Biological	[ ] Etiological	[ ] Pathogen	
[ ] Other			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
wear appropriate personal protective equipment

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE: 6-29-89 GENERATOR'S SIGNATURE: Dave Dunlap

MSP FORM 1868 (REV JUNE 87)

DEQ052163

MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST No. 917771

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LAD098110879 — Manifest Document No. 10886 — 2. Page 1 of 2 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
McDonnell Douglas - Monrovia
700 Royal Oaks Dr. Monrovia CA 91016

4. Generator's Phone (818) 302-9215

5. Transporter 1 Company Name — 6. US EPA ID Number
1- Disposal Control Servs. — CAT100D00134118 84

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380 — LAD981057706

A. State Manifest Document Number
B. State Generator's ID — HAT0936 01801H
C. State Transporter's ID — 007375
D. Transporter's Phone (714) 923-8042
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ WASTE Flammable Solid NOS. Flammable Solid UN 1325 D001	009	DM	01800	P	D001 R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
11A) Production Wash - SEE ATTACHED RECYCLE SHEET - DOT/MDD 88783 768

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE SAFETY PROTECTION (9X559A1)

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name — Signature — Month Day Year
Edward Hardy Jr. — 06/12/90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year
Michael B. VanAlstine Jr. — 06/12/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space — DEQ052164

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

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DS V. MSP PRODUCED BY MSP 9/92 Releasable

MSD054

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST #

ENTERED JUN 13 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: Approved 6/19/90 Expiration Date

Date printed: 5/21/90 Rep.ID: KGB DCS /MDD /R9003376/ /

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: MCDONNELL DOUGLAS
Telephone: (818) 303-9215 x.0000
Facility Address: 700 ROYAL OAKS DRIVE
USEPA ID: CAD039138797 1
MONROVIA, CA 91016-0000
Name of Waste: PRODUCTION TRASH
Generating Process:
Technical Contact: MR. JERRY MULKINS
Title: Sr. Mgr. Plant Engineering

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) 55 gal openhead

Anticipated Volume: ____ Gals. 3 Cubic Yds. ____ Other ____

Per: ☐ One Time ☐ Week ☐ Month ☒ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: Jerry R. Mulkins Signature:

Title: Sr. Mgr. Plant Eng. Date: 6/15/90

DEQ052165

MSP Form 1040-R (November 89)

MSD054

2294

DCS/MDA/18903376

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 465-3310

For MSP Use Only
Approval Code _____

A. General Information

Company Name: MCN Donnell & Douglass Construction Co.
Address: 700 Royal Oaks Drive
City: Monrovia State: CA Zip Code: 91016
Generator Contact: Larry Mulkins
Title:
Telephone No.: 818-303-9215
Facility EPA I.D. No.: CAD03 9138797

B. Customer Information

Company Name: DCSI
Contact: Melinda Hughes
Address: 1369 W 9th St
Upland Ca 91786
Telephone No.: 714 985 0342
For Customer Use:

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s): D001

D. Chemical Composition

BIO-HAZARD NAMES – Percent must not exceed 20%. Total in maximum column must be greater than or equal to 100%

	MIN	MAX
Paper & Plastic, SMALL Cups & Syringes	50	60
ALL CONTAMINATED WITH HALOGENED partially hardened Epoxy & Urethane Resins.	40	50

Common name of waste: PRODUCTION TRASH

E. General Characteristics

Color: OFF WHITE/AMBER/MISC OTHER COLOURS
Odor: ☐ None ☒ Mild ☐ Strong
☐ Liquid ☐ Sludge ☒ Solid ☐ Powder
Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 20 %
BTU's per lb (list actual value): 7500 /0
Water (Wt %): ☐ <1 ☐ 1-5 ☐ 5-10 ☐ if > 10 list actual _____
Specific Gravity: ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☐ >1.7 list actual _____
Viscosity (for bulk liquids only): list actual in centipoise: low cp
Total Suspended Solids (wt % for bulk liquids only): ☐ 5-20 ☐ if > 20 list actual 100 %
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 list actual _____

Flash Point (closed cup): ☐ <100°F ☐ 100°-140°F ☐ 140°-200°F ☐ > 200°F ☐ _____ °F actual
Sulfur (Wt %): ☐ <5 ☐ if > 5 list actual value _____

Halogens (Wt %): ☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine _____ actual

	<1	1-5	5-10	if >10 list actual Wt %
Iodine	☐	☐	☐	
Bromine	☐	☐	☐	
Chlorine	☐	☐	☐	

Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)		Silver (Ag)	
Cadmium (Cd)		Copper (Cu)	
Chromium (Cr)		Nickel (Ni)	
Lead (Pb)		Zinc (Zn)	
Mercury (Hg)	1/2		

Organics (ppm)

Endrin	0	If material contains the following compounds, indicate actual ppm:	
Lindane		PCB	0
Methoxychlor		Cyanides	
Toxaphene		Sulfides	
2,4-D		Dioxin	
2,4,5-TP (Silvex)			

DEQ052166

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MSD054

265

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # 8903376

SALES (504) 465-3310

DCS | MDD | 8903376 MSP CODE:

JUN 19 1989

ORIGINAL

COPY

#1 Generator Name McDonnell Douglas
Facility Address Aerospatics Division
700 Royal Oaks Dr.
Monrovia, CA 91016
City, State, Zip
Technical Contact Jerry Mulkins
Title Supt.
Telephone NO. (818) 303-9215 EXT:
Facility EPA ID # CAD039138797

#6 Bill To: Chemical Control Svc.
Company Contact: Shatra Jones
Container Size: 55 gal Drum 17-H
EPA Waste No. 9001
Generating Process Production Trash
Common Name of Waste Production Trash
Rate of Generation 1.5 CU. YDS PER 1 WEEK
Volume in Storage 1.5 CU. YDS IN 55 Steel
Is Waste DOT Hazardous | X | YES | | NO
Proper DOT Shipping Name R.Q. Waste, Flammable, Solid, NOS
Hazard Class Flam. Solid ID No. UN 3175
Transportation Equipment 40' Van
Placarding Flammable

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

Paper & Plastic Small Cups	50-60 %
& Syringes	40-50 %
All contaminated with	%
Hardened / Partially Hardened	%
Epoxy & Urethane Resins.	%
	%

#7 PHYSICAL DESCRIPTION

Physical State	| | Liquid		| | Semi-solid		| X | Solid	
Phases/Layering	| X | Uni-Layer		| | Bilayer		| | Multilayer	
Viscosity	| | High		| | Medium		| X | Low	
Type of Solids	| X | Organic		| | Inorganic		| | Mixed	

Total Solids (wt. %) 100 Suspended Solids (wt. %) 0
BTU/lb 7500 % Ash Content 20 % Water (by weight)
Flash Point (°F) <100 Type Closed Cup
Specific Gravity n/A
Boiling Point, (°C) n/A Freezing Point, (°C) n/A
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) 7 (Range) 5.5 to 8.5
Total Alkalinity/Acidity (%)
Odor Mild Ketones
Color Off White / Amber / Misc. other colors

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

#4 INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

#5 ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

#8 HAZARDOUS PROPERTIES

| | Water Reactive	| | Reactive	| | NONE
| | Shock Sensitive	| | Pyrophoric	| | Explosive
| | Radioactive	| | Pesticide Residuals	| | Polymerizable
| | Corrosive	| | Toxic Vapor	| | Ignitable
| | Biological	| | Etiological	| | Pathogen
| X | Other Sensitization		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
Wear Appropriate Protective Equipment.

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 6-16-89 GENERATOR'S SIGNATURE: Jerry Mulkins

DE052167

MSP FORM 1048 (REV. JUNE 87)

DS V.. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # ... BOX ... Hazardous Materials

MSD054

259

MATERIALS CHARACTERIZATION DATA SHEET

MAY 14 1990

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

9002653

For MSP Use Only

Approval Code DCSP/DRUG/9002653-LP

A. Generator Information

Generator Name: DRUG ENFORCEMENT ADMIN
Site Address: 3010 N 2nd St, SUITE 301
City: PHOENIX State: AZ Zip Code: 85012
Generator Contact: CHRIS JACOBSON
Title: AGENT
Telephone No. (602) 640-5700
Facility EPA I.D. No.: AZP000003087

B. Customer Information

Company Name: DISPOSAL CONTROL SERVICE
Contact: CYNTHIA CLOWES
Address: 888 W ILLINI
PHOENIX AZ 85041
Telephone No. (602) 268-0999
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s): (SEE INVENTORY SHEETS)

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
LAB PACKS (SEE ATTACHED INVENTORY SHEETS)		100

Common Name of Waste: LAB PACKS

E. General Characteristics

Color:
Odor: ☐ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phases ☐ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	N	Polymerizable?	Y	N
Infectious?	Y	N	Pyrophoric?	Y	N
Water Reactive?	Y	N	Explosive?	Y	N

G. Physical/Chemical Properties

Ash (list actual Wt %)

BTU's per lb (list actual value)

Water (Wt %) ☐ <1 ☐ 5-10 ☐ 1-5 If > 10 list actual

Specific Gravity ☐ < 0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 1.0-1.2 ☐ > 1.7 list actual

Viscosity (for bulk liquids only) list actual in centipoise cp

Total Suspended Solids (Wt %-for bulk liquids only) ☐ 5-20 If > 20 list actual

pH ☐ 2-6 ☐ 6-10 ☐ 10-12.5 If < 2 or > 12.5 list actual

Flash Point (closed cup) ☐ < 100°F ☐ > 200°F ☐ 100°-140°F ☐ °F ☐ 140°-200°F actual

Sulfur (Wt %) ☐ < 5 If > 5 list actual value

Halogens (Wt %) <1 1-5 5-10 If > 10 list actual Wt %

	<1	1-5	5-10	If > 10 list actual Wt %
☐ Iodine	☐	☐	☐	
☐ Bromine	☐	☐	☐	
☐ Chlorine	☐	☐	☐	
☐ Fluorine		actual Wt %		

Metals: EP Toxicity Test (MG/L)

Arsenic (As)		Selenium (Se)	
Barium (Ba)		Silver (Ag)	
Cadmium (Cd)		Copper (Cu)	
Chromium (Cr)		Nickel (Ni)	
Lead (Pb)		Zinc (Zn)	
Mercury (Hg)			

Organics (ppm)

Endrin	
Lindane	
Methoxychlor	
Toxaphene	
2,4-D	
2,4,5-TP (Silvex)	

If material contains the following compounds, indicate actual ppm:

PCB	
Cyanides	
Sulfides	
Dioxin	

DEA052168

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DS V. MSP PRODUCED BY MSP 9/93 Releasable

BOX 5 REQUEST # 1 [illegible]

MSD054

257

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: EMERGENCY RESPONSE - DRUG LAB

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: LAB PACKS SEE ATTACHED INVENTORY SHEETS — DOT I.D. No. — (circle one) UN/NA

Hazard Class

Anticipated Volume — Drums — Gal — Yd³ — Lbs — ☐ Bulk? — ☐ Roll?

Container Size — Container Type

Per — ☐ One-time — ☐ Week — ☐ Month — ☐ Year — ☐ Other

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Chris R. Jacobsen
ON BEHALF OF U.S. DEPT OF JUSTICE/DEA
Generator's Signature

2. CHRIS R. JACOBSEN
Name (Type or Print)

3. MAY 7, 1990
Date

4. SPECIAL AGENT
Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052169

MSP Form 1040 II Rev. 10/89

US v. MSP
Released
PRODUCED BY MSP 9/93
REQUEST #
BOX 5
MSD054
258

NUM 6.7 | MANIFEST # 30001 | PROFILE # DEA-MSV | 53

DOT PROPER SHIPPING NAME: Waste Flammable Solid, N.O.S. | HAZARD CLASS: Flam Solid | X NA # 1325

EPA WASTE CODE: D001 | NAME OF PACKAGER: DCS | CONTAINER TYPE: 20 gal Poly

CONTAINER INVENTORY

#	WASTE IDENTIFICATION		CONTAINERS			OTHER INFORMATION
	CHEMICAL NAME	EPA WASTE CODE	#	SIZE	TYPE	
1	Aluminum Sludge	D001	3	1 Gal	Glass	
2	With water and					
3	Ether In Solution					
4						
5						
6						
7						
8						
9						
10						
11						
12						
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US v. H&P Releasable
PRODUCED BY H&P 9/93
REQUEST # 1-1622
Hartford, Illinois

MSD054

DEQ052170

DRUM # 91 | MANIFEST # 30001 | PROFILE # DEA-MSD

DOT PROPER SHIPPING NAME: Waste Corrosive Solid, n.o.s. | HAZARD CLASS: Corr. Mat | UN/NA # 1759

EPA WASTE CODE: D002 | NAME OF PACKAGER: DEA | CONTAINER TYPE: Salvage

CONTAINER INVENTORY

#	WASTE IDENTIFICATION		CONTAINERS			OTHER INFORMATION
	CHEMICAL NAME	EPA WASTE CODE	#	SIZE	TYPE	
1	Sulfuric Acid	D002	1	1 gal	Plastic	Packed in Vermiculite
2	Solidified in a					
3	plastic jug that					
4	also has some pitty-Isopropanol residuals					
5						
6						
7						
8						
9						
10						
11						
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DEQ052171

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U.S. V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1165
BOX # 5
Litigation Files
Manifest Files

MSD054

2280

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DISPOSAL CONTROL SERVICE, INC.

888 W. ILUNI STREET, PHOENIX, ARIZONA 85041
(602) 268-0999 WATTS (800) 433-4981 (AZ Only)

9002653

MAY 21 1990

Date: 5-18-90

1

I am an authorized employee of Disposal Control Service, Inc., the company preparing the Lab Packs for DRUG ENFORCEMENT ADMIN., I hereby certify that the Lab Packs represented by this Material Characterization Data Sheet and Lab Pack Packing Lists are prepared and shipped in full compliance with the Marine Shale Processors, Inc. Lab Pack Guidelines.

Respectfully,

Disposal Control Service, Inc.

Re: DEA
SCOTTSDALE LAB PACKS
REF No. 9002653

DEQ052172

U.S. v. MSP
PRODUCED BY MSP 9/93
Releasable
BOX 5
MSD054
2261

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015255

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981614122 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
DRAPTING GRAPHICS, INC.
1596-B S. ANAHEIM BLVD., ANAHEIM, CA 92805

4. Generator's Phone (714) 635-9130

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: GRAPHIC DISPOSAL — 6. US EPA ID Number: CAD982030181 — C. State Transporter's ID: 014238 — D. Transporter's Phone: 213-921-8097

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706 — G. State Facility's ID — H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. HAZARDOUS WASTE, SOLID N.O.S. ORM-E NA-9189	001	DM	00055	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) WASTE INK & CANS
GRD/DSI/890-129

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 1 1 9 1 2 [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: DRIVER

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
DEQ052173

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA BASSETT — Signature: [illegible] — Month Day Year: 1 1 9 1 2

EPA Form [illegible] WHITE, DEQ GREEN, Generator YELLOW – TSDF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

GENERATOR — TRANSPORTER — FACILITY

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OS.V. MSP PRODUCED BY MSP 9/93 Releasable
REQUEST # [illegible]
BOX [illegible]
[illegible]

MSD054

2262 F

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8905189

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # SEP 29 1989

MSP CODE: GRD/OGI/8905189

Generator Name: Drafting GRAPHICS INC
Facility Address: 1596-B Anaheim Blvd.
City, State, Zip: ANAHeim CA 92805
Technical Contact: Hector Lopez
Title: MGR
Telephone NO. 714) 635-9130 EXT:
Facility EPA ID #: CAD 981641822

Bill To: GRAPHIC DISPOSAL, INC.
Address: 15207 MARQUARDT AVENUE
City, State, Zip: SANTA FE SPRINGS, CA 90670
Telephone #: (213) 921-8097
Company Contact: WILLIAM BATTAGLIA
Container Size: 55 GAL STEEL
EPA Waste No.: RCRA EXEMPT (CAL WASTE ONLY)
Generating Process: PRINTING
Common Name of Waste: WASTE INK
Rate of Generation: 1 x 55 (Quant) (Units) PER 90 DAYS (Time Interval)
Volume in Storage: 1 x 55 (Quant) (Units) IN 55 GAL STEEL (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: HAZ. WASTE, SOLID, N.O.S.
Hazard Class: ORM-E ID No.: NA-9189
Transportation Equipment: TRUCK
Placarding: NONE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

ALKYD RESIN	7.5 %
PHENOLIC RESIN (SOLID)	10.0 %
MINERAL OIL	13.0 %
LINSEED OIL	8.0 %
POLYETHLENE WAX	1.5 %
MAGNESE & COBALT TALLATE	1.0 %
DRY PIGMENT	9.0 %
5# EMPTY INK CANS NO THICKER 17H	50.0

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.002	Silver (Ag)	.01
Barium (Ba)	1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

INORGANICS (mg/l or ppm)

Total CN	n/s	Iodine	n/s
Free CN	n/s	Asbestos	n/s
Sulfide	n/s		
Chloride	n/s		
Bisulfite	n/s		
Sulfite	n/s		
Sulfate	n/s		
Phosphate	n/s		
Fluorine	n/s		
Bromine	n/s		
Chlorine	n/s		

ORGANICS (mg/l or ppm)

Endrin	n/s	Organohalide	n/s
Methoxychlor	n/s	Mercaptans	n/s
Toxaphene	n/s		
2, 4-D	n/s		
2,4,5-T	n/s		
Phenol(ics)	n/s		
PCBs	n/s		
Dioxin	n/s		
TOC	n/s		

PHYSICAL DESCRIPTION

Physical State [ ] Liquid [ ] Semi-solid [X] Solid
Phases/Layering [ ] Uni-Layer [X] Bilayer [ ] Multilayer
Viscosity [ ] High [X] Medium [ ] Low
Type of Solids [ ] Organic [ ] Inorganic [ ] Mixed
Total Solids (wt. %) ------- Suspended Solids (wt. %) ---------
BTU/lb 10,000 % Ash Content 53.8 % Water (by weight) -------
Flash Point (°F) 280F Type ----------
Specific Gravity ----------
Boiling Point, (°C) --------- Freezing Point, (°C) ---------
Vapor Pressure (mm Hg @ 24°C) ----------
pH (Avg) ORGANIC NEUTRAL (Range) ____ to ____
Total Alkalinity/Acidity (%) ----------
Odor MILD
Color BROWN

HAZARDOUS PROPERTIES

[X] NONE

[ ] Water Reactive [ ] Reactive [ ] Explosive
[ ] Shock Sensitive [ ] Pyrophoric [ ] Polymerizable
[ ] Radioactive [ ] Pesticide Residuals [ ] Ignitable
[ ] Corrosive [ ] Toxic Vapor [ ] Pathogen
[ ] Biological [ ] Etiological
[ ] Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

WEAR GLOVES & GOGGLES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052174

DATE 9-28-89 GENERATOR'S SIGNATURE: Hector Lopez

DS V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-1-1-

8905189

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # _____ SEP 29 1989

MSP CODE: GRD/DGI/8905189

Generator Name: DRAFTING GRAPHICS INC
Facility Address: 1596-B ANAHEIM BLVD.
City, State, Zip: ANAHEIM CA 92805
Technical Contact: HECTOR LOPEZ
Title: MGR
Telephone NO. (714) 635-9130 EXT: _____
Facility EPA ID #: CAD 981641822

Bill To: GRAPHIC DISPOSAL, INC.
Address: 15207 MARQUARDT AVENUE
City, State, Zip: SANTA FE SPRINGS, CA 90670
Telephone #: (213) 921-8097
Company Contact: WILLIAM BATTAGLIA
Container Size: 55 GAL STEEL
EPA Waste No. RCRA EXEMPT (CAL WASTE ONLY)
Generating Process: PRINTING
Common Name of Waste: WASTE INK
Rate of Generation: 1 x 55 / PER 90 DAYS (Quant) (Units) (Time Interval)
Volume in Storage: 1 x 55 IN 55 GAL STEEL (Quant) (Units) (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: HAZ. WASTE, SOLID, N.O.S.
Hazard Class: ORM-E ID No.: NA-9189
Transportation Equipment: TRUCK
Placarding: NONE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

ALKYD RESIN	7.5 %
PHENOLIC RESIN (SOLID)	10.0 %
MINERAL OIL	13.0 %
LINSEED OIL	8.0 %
POLYETHLENE WAX	1.5 %
MAGNESE & COBALT TALLATE	1.0 %
DRY PIGMENT	9.0 %
5# EMPTY INK CANS NO THICKER 17H	50.0

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.002	Silver (Ag)	.01
Barium (Ba)	1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

INORGANICS (mg/l or ppm)

Total CN	n/s	Iodine	n/s
Free CN	n/s	Asbestos	n/s
Sulfide	n/s		
Chloride	n/s		
Bisulfite	n/s		
Sulfite	n/s		
Sulfate	n/s		
Phosphate	n/s		
Fluorine	n/s		
Bromine	n/s		
Chlorine	n/s		

ORGANICS (mg/l or ppm)

Endrin	n/s	Organohalide	n/s
Methoxychlor	n/s	Mercaptans	n/s
Toxaphene	n/s		
2, 4-D	n/s		
2,4,5-T	n/s		
Phenol(ics)	n/s		
PCBs	n/s		
Dioxin	n/s		
TOC	n/s		

PHYSICAL DESCRIPTION

Physical State	[ ]	Liquid	[ ]	Semi-solid	[X]	Solid	
Phases/Layering	[ ]	Uni-Layer	[X]	Bilayer	[ ]	Multilayer	
Viscosity	[ ]	High	[X]	Medium	[ ]	Low	
Type of Solids	[ ]	Organic	[ ]	Inorganic	[ ]	Mixed	

Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb 10,000 % Ash Content 53.8 % Water (by weight) _____
Flash Point (°F) 280F Type _____
Specific Gravity _____
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) _____
pH (Avg) ORGANIC NEUTRAL (Range) _____ to _____
Total Alkalinity/Acidity (%) _____
Odor MILD
Color BROWN

HAZARDOUS PROPERTIES

[ ]	Water Reactive	[ ]	Reactive	[X]	NONE
[ ]	Shock Sensitive	[ ]	Pyrophoric	[ ]	Explosive
[ ]	Radioactive	[ ]	Pesticide Residuals	[ ]	Polymerizable
[ ]	Corrosive	[ ]	Toxic Vapor	[ ]	Ignitable
[ ]	Biological	[ ]	Etiological	[ ]	Pathogen
[ ]	Other _____				

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

WEAR GLOVES & GOGGLES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052175

DATE 9-28-89 GENERATOR'S SIGNATURE: Hector Lopez

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PRODUCED BY MSP 9/93 REQUEST # 1-1166

MSD054

284

8905189

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # _____

SEP 29 1989

MSP CODE: GRP/DGI/8905189

Generator Name: Drafting Graphics Inc
Facility Address: 1596-B Anaheim Blvd.
City, State, Zip: Anaheim Ca 92805
Technical Contact: Hector Lopez
Title: MGR
Telephone NO. (214) 635-9130 EXT: _____
Facility EPA ID #: CAD 981641822

Bill To: GRAPHIC DISPOSAL, INC.
Address: 15207 MARQUARDT AVENUE
City, State, Zip: SANTA FE SPRINGS, CA 90670
Telephone #: (213) 921-8097
Company Contact: WILLIAM BATTAGLIA
Container Size: 55 GAL STEEL
EPA Waste No. RCRA EXEMPT (CAL WASTE ONLY)
Generating Process: PRINTING
Common Name of Waste: WASTE INK
Rate of Generation: 1 x 55 / PER 90 DAYS (Quant / Units / Time Interval)
Volume in Storage: 1 x 55 IN 55 GAL STEEL (Quant / Units / Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: HAZ. WASTE, SOLID, N.O.S.
Hazard Class: ORM-E ID No.: NA-9189
Transportation Equipment: TRUCK
Placarding: NONE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

ALKYD RESIN	7.5 %
PHENOLIC RESIN (SOLID)	10.0 %
MINERAL OIL	13.0 %
LINSEED OIL	8.0 %
POLYETHLENE WAX	1.5 %
MAGNESE & COBALT TALLATE	1.0 %
DRY PIGMENT	9.0 %
5# EMPTY INK CANS NO THICKER 17H	50.0

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.002	Silver (Ag)	.01
Barium (Ba)	1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

INORGANICS (mg/l or ppm)

Total CN	n/s	Iodine	n/s
Free CN	n/s	Asbestos	n/s
Sulfide	n/s		
Chloride	n/s		
Bisulfite	n/s		
Sulfite	n/s		
Sulfate	n/s		
Phosphate	n/s		
Fluorine	n/s		
Bromine	n/s		
Chlorine	n/s		

ORGANICS (mg/l or ppm)

Endrin	n/s	Organohalide	n/s
Methoxychlor	n/s	Mercaptans	n/s
Toxaphene	n/s		
2, 4-D	n/s		
2,4,5-T	n/s		
Phenol(ics)	n/s		
PCBs	n/s		
Dioxin	n/s		
TOC	n/s		

PHYSICAL DESCRIPTION

Physical State	[ ]	Liquid	[ ]	Semi-solid	[X]	Solid	
Phases/Layering	[ ]	Uni-Layer	[X]	Bilayer	[ ]	Multilayer	
Viscosity	[ ]	High	[X]	Medium	[ ]	Low	
Type of Solids	[ ]	Organic	[ ]	Inorganic	[ ]	Mixed	

Total Solids (wt. %) _____ Suspended Solids (wt. %) _____
BTU/lb 10,000 % Ash Content 53.8 % Water (by weight) _____
Flash Point (°F) 280F Type _____
Specific Gravity _____
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) _____
pH (Avg) ORGANIC NEUTRAL (Range) _____ to _____
Total Alkalinity/Acidity (%) _____
Odor MILD
Color BROWN

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[X] NONE	
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive	
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable	
[ ] Corrosive	[ ] Toxic Vapor	[ ] Ignitable	
[ ] Biological	[ ] Etiological	[ ] Pathogen	
[ ] Other _____			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
WEAR GLOVES & GOGGLES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052175

DATE 9-28-89 GENERATOR'S SIGNATURE: Hector Lopez

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

U.S. V. MSP PRODUCED BY MSP 9/93 Released to Public Record Request # 1-1-1-1

MSD054

2269

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST 012469

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD981392988 — Manifest Document No.
2. Page 1 of — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
CONTINENTAL GRAPHICS
101 S LA BREA, LOS ANGELES, CA 90036
4. Generator's Phone (213) 938-2511

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID 01038
D. Transporter's Phone 213-921-8097
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161

5. Transporter 1 Company Name
GRAPHIC DISPOSAL
6. US EPA ID Number CAD982030181
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number LAD981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a. HAZARDOUS WASTE, LIQUID N.O.S. CRM-E NA-91690	0102	DM	000110	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE/REUSE
A) WASTE INK
B) GRD/CGR/8802014

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name — Signature — Month Day Year 10/11/10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Michael Lockhart — Signature Michael Lockhart — Month Day Year 10/11/1910
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052176

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name GINA PASSETT — Signature — Month Day Year

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GB V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

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MAR 08 1990

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code: CRD /CCR /88020147 /

Date printed: 2/22/90 Rep.ID: KCB

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West, Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: CONTINENTAL GRAPHICS
Telephone: (213) 938-2511 x.0000
Facility Address: 101 SOUTH LA BREA
USEPA ID: CAD981392988
LOS ANGELES, CA 90036-0000
Name of Waste: INK WASTE
Generating Process:
Technical Contact: DICK DAVIS
Title: PLANT ENGINEER

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1. Have you obtained any laboratory analysis of this waste? *(If yes, attach results)* ☐ yes ☒ no
2. Have you changed the raw materials used in the waste generating process? ☐ yes ☒ no
3. Have you changed the waste generating process itself? ☐ yes ☒ no
4. Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste? ☐ yes ☒ no
5. Are you aware of any human health effects of exposure to the waste not previously described? ☐ yes ☒ no
6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED.

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) 55 Gal

Anticipated Volume: 165 Gals. _____ Cubic Yds. _____ Other _____

Per: ☐ One Time ☐ Week ☐ Month ☒ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: Richard H. Davis Signature: Richard H. Davis

Title: Director of Engineering Date: 3-6-90

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

For MSP Use Only 5580214

Approval Code _____

A. Generator Information

Generator Name: Continental Graphics
Site Address: 101 South La Brea
City: Los Angeles State: CA Zip Code: 90036
Generator Contact: Richard W. Davis
Title: Director of Engineering
Telephone No.: (213) 938-2511
Facility EPA I.D. No.: CAD981392988

B. Customer Information

Company Name: Graphic Disposal, Inc.
Contact: William Battaglia
Address: 15207 Marquardt Ave.
Santa Fe Springs, CA 90670
Telephone No. ( )
For Customer Use: Ink waste

C. Regulatory Information

[ ] RCRA Regulated [ ] Land Ban [ ] Non-Regulated EPA Waste Code(s): RCRA-Exempt

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
Alkyd Resin	15	
Phenolic Rosin	20	
Mineral Oil	26	
Linseed Oil	16	
Polyethylene Wax	3	
Magnese Tallate	1	
~~Dry Pigment~~	19	
Common Name of Waste: Cobalt Tallate	1	

E. General Characteristics

Color: Black

Odor: [ ] None [X] Mild [ ] Strong

[ ] Liquid [X] Sludge [ ] Solid [ ] Powder

Phases [X] Single Layer [ ] Double Layer [ ] Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 3.85
BTU's per lb (list actual value): 16,000

Water (Wt %): [X] <1 [ ] 5-10 [ ] 1-5 [ ] if > 10 list actual _____

Specific Gravity: [X] < 0.8 [ ] 1.2-1.4 [ ] 0.8-1.0 [ ] 1.4-1.7 [ ] 1.0-1.2 [ ] > 1.7 list actual _____

Viscosity (for bulk liquids only) list actual in centipoise: _____ cp

Total Suspended Solids (Wt %-for bulk liquids only): [ ] 5-20 [ ] if > 20 list actual _____

pH: [ ] 2-6 [ ] 6-10 [ ] 10-12.5 [ ] if < 2 or > 12.5 list actual ORGANIC Neutral

Flash Point (closed cup): [ ] < 100°F [ ] > 200°F [ ] 180 °F actual [ ] 100°-140°F [ ] 140°-200°F

Sulfur (Wt %): [X] < 5 if > 5 list actual value _____

Halogens (Wt %): [X] <1 [ ] 1-5 [ ] 5-10 [ ] if > 10 list actual Wt %
[ ] Iodine [X] [ ] [ ] _____
[ ] Bromine [X] [ ] [ ] _____
[ ] Chlorine [X] [ ] [ ] _____
[ ] Fluorine _____ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	1	Silver (Ag)	.01
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm): N/S None Suspected

Endrin	N/S
Lindane	N/S
Methoxychlor	N/S
Toxaphene	N/S
2,4-D	N/S
2,4,5-TP (Silvex)	N/S

If material contains the following compounds, indicate actual ppm:

PCB	N/S
Cyanides	N/S
Sulfides	N/S
Dioxin	N/S

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # 660201-I

SALES (504) 465-3310
P. O. BOX 1698
KENNER, LA 70063

MSP CODE: GRD/CGR-880-2014

#1 Generator Name: CONTINENTAL GRAPHICS
Facility Address: 101 SOUTH LA BREA
City, State, Zip: LOS ANGELES, CA. 90036
Technical Contact: DICK DAVIS
Title: PLANT ENGINEER
Telephone NO. (213) 938-2511 EXT:
Facility EPA ID #: CAD 981392868

#2 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

ALKYD RESIN	15 %
PHENOLIC RESIN	20 %
MINERAL OIL	36 %
LINSEED OIL	16 %
POLYETHYLENE WAX	3 %
MAGNESIUM TALLATE	1 %
COBALT TALLATE	1 %
DRY PIGMENT	18 %

#3 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.002	Silver (Ag)	.01
Barium (Ba)	.1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

#4 INORGANICS (mg/l or ppm)

Total CN	N/S	Iodine	N/S
Free CN	N/S	Asbestos	N/S
Sulfide	N/S		
Chloride	N/S		
Bisulfite	N/S		
Sulfite	N/S		
Sulfate	N/S		
Phosphate	N/S		
Fluorine	N/S		
Bromine	N/S		
Chlorine	N/S		

#5 ORGANICS (mg/l or ppm)

Endrin	N/S	Organohalide	N/S
Methoxychlor	N/S	Mercaptans	N/S
Toxaphene	N/S		
2,4-D	N/S		
2,4,5-T	N/S		
Phenolics	N/S		
PCBs	N/S		
Dioxin	N/S		
TOC	N/S		

DE052179

#6 Bill To: GRAPHIC DISPOSAL
Company Contact: WILLIAM B BATTAGLIA
Container Size: 55 GAL
EPA Waste No. NON-REGULATED
Generating Process: PRINTING
Common Name of Waste: INK WASTE
Rate of Generation: 1 (Quan) x 55 (Units) PER 90 DAYS (Time Interval)
Volume in Storage: 1 (Quan) x 55 (Units) IN 55 (Containers Size and Types)
Is Waste DOT Hazardous: | | YES |X| NO
Proper DOT Shipping Name: NON-REGULATED WASTE
Hazard Class: ID No. NON-REGULATED
Transportation Equipment: TRUCK
Placarding: NONE

#7 PHYSICAL DESCRIPTION

Physical State	| | Liquid	|X| Semi-solid	| | Solid	
Phases/Layering	|X| Uni-Layer	| | Bilayer	| | Multilayer	
Viscosity	| | High	|X| Medium	| | Low	
Type of Solids	| | Organic	| | Inorganic	| | Mixed	

Total Solids (wt. %): Suspended Solids (wt. %):
BTU/lb 16000 % Ash Content 3.55 % Water (by weight):
Flash Point (°F) 280°F Type:
Specific Gravity:
Boiling Point, (°C): Freezing Point, (°C):
Vapor Pressure (mm Hg @ 24°C):
pH (Avg): (Range): to
Total Alkalinity/Acidity (%):
Odor: NONE TO MILD
Color: BLACK

#8 HAZARDOUS PROPERTIES

|X| NONE		
| | Water Reactive	| | Reactive	| | Explosive
| | Shock Sensitive	| | Pyrophoric	| | Polymerizable
| | Radioactive	| | Pesticide Residuals	| | Ignitable
| | Corrosive	| | Toxic Vapor	| | Pathogen
| | Biological	| | Etiological	
| | Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: WEAR GLOVES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

* NOT SUSPECTED - N/S

DATE March 15 1988 GENERATOR'S SIGNATURE: Dick Davis Plant Engr.

MSP FORM 1010 (REV. JUNE 87)

MSD054

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MARINE STATE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document # 000201

SALES (504) 465-3310

P. O. BOX 1698
KENNER, LA 70063

MSP CODE: GRD/CGR 8902014

11 Generator Name: CONTINENTAL GRAPHICS
Facility Address: 101 SOUTH LA BREA

City, State, Zip: LOS ANGELES, CA. 90036
Technical Contact: DICK DAVIS
Title: PLANT ENGINEER
Telephone NO. (213) 938-2811 EXT:
Facility EPA ID #: CAD 981 372 268

16 Bill To: GRAPHIC DISPOSAL
Company Contact: WILLIAM F. BATTAGLIA
Container Size: 55 GAL
EPA Waste No.: NON-REGULATED
Generating Process: PRINTING
Common Name of Waste: INK WASTE
Rate of Generation: 1 (Quant) x 55 (Quant) PER 90 DAYS (Time Interval)
Volume in Storage: 165 (Quant) IN 55 (Container Size and Type)
Is Waste DOT Hazardous? | | YES |X| NO
Proper DOT Shipping Name: NON-REGULATED WASTE
Hazard Class: ID No.: NON-REGULATED
Transportation Equipment: TRUCK
Placarding: NONE

12 CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

ACRYLIC RESIN	16 %
POLYURETHANE RESIN	20 %
MINERAL OIL	26 %
LINSEED OIL	16 %
POLYETHYLENE WAX	3 %
ALUMINUM STEARATE	1 %
CALCIUM STEARATE	1 %
DRY PIGMENT	16 %

13 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.003	Silver (Ag)	.01
Barium (Ba)	1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (Cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

14 INORGANICS (mg/l or ppm)

Total CN	N/S	Iodine	N/S
Free CN	N/S	Asbestos	N/S
Sulfide	N/S		
Chloride	N/S		
Bisulfite	N/S		
Sulfite	N/S		
Sulfate	N/S		
Phosphate	N/S		
Fluorine	N/S		
Bromine	N/S		
Chlorine	N/S		

15 ORGANICS (mg/l or ppm)

Endrin	N/S	Organohalide	N/S
Methoxychlor	N/S	Mercaptans	N/S
Toxaphene	N/S		
2,4-D	N/S		
2,4,5-T	N/S		
Phenolics	N/S		
PCBs	N/S		
Dioxin	N/S		
TOC	N/S		

DEG052180

17 PHYSICAL DESCRIPTION

Physical State		Liquid	|X|	Semi-solid		Solid
Phases/Layering	|X|	Uni-Layer		Bilayer		Multilayer
Viscosity		High	|X|	Medium		Low
Type of Solids		Organic		Inorganic		Mixed	

Total Solids (wt. %): Suspended Solids (wt. %):
BTU/lb 16000 % Ash Content 2.5 %, Water (by weight):
Flash Point (°F) 280°F Type:
Specific Gravity:
Boiling Point, (°C): Freezing Point, (°C):
Vapor Pressure (mm Hg @ 24°C):
pH (Avg): (Range): to
Total Alkalinity/Acidity (%):
Odor: NONE TO MILD
Color: BLACK

10 HAZARDOUS PROPERTIES

		Water Reactive		Reactive	|X|	NONE
		Shock Sensitive		Pyrophoric			Explosive
		Radioactive		Pesticide Residuals			Polymerizable
		Corrosive		Toxic Vapor			Ignitable
		Biological		Etiological			Pathogen
		Other					

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
WEAR GLOVES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

X NOT SPECIFIED - N/S

DATE March 15 1988 GENERATOR'S SIGNATURE: Dick Davis Plant Engr.

MSP REVISED FORM 1015 JUNE 87

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US V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 93-0225 BOX 5 FILE 1 PAGES 270

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US v. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1
Box 5
Wallpaper, Inc. Records
Baptist, Mich.

MSD054

SALES (504) 465-3310
P. O. BOX 1698
KENNER, LA 70063

MSP CODE: GRD/CGR-8902014

Continental Graphics
South La Brea

City, State, Zip: Los Angeles, CA. 90036
Technical Contact: Dick Davis
Title: Plant Engineer
Telephone NO. (213) 938-2711 EXT:
Facility EPA ID #: CAD 981 372 968

16 Bill To: Graphic Disposal
Company Contact: William B. Battaglia
Container Size: 55 GAL
EPA Waste No.: Non-Regulated
Generating Process: Printing
Common Name of Waste: Ink Waste
Rate of Generation: 1 (Amount) x 55 (Amount) PER 90 DAYS (Time Interval)
Volume in Storage: 1 (Amount) x 55 (Amount) IN 55 (Container Size and Type)
Is Waste DOT Hazardous: | | YES ⋈ NO
Proper DOT Shipping Name: Non-Regulated Waste
Hazard Class: ID No.: Non-Regulated
Transportation Equipment: Truck
Placarding: None.

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

Acrylic Resin	15 %
Phenolic Resin	30 %
Mineral Oil	26 %
Linseed Oil	16 %
Polyethylene Wax	3 %
Magnesium Tallate	1 %
Cobalt Tallate	1 %
Dry Pigment	18 %

13 METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.005	Silver (Ag)	.01
Barium (Ba)	1	Copper (Cu)	
Cadmium (Cd)	.005	Nickel (Ni)	
Chromium (Cr)	.05	Zinc (Zn)	
Lead (Pb)	.05		
Mercury (Hg)	.0002		
Selenium (Se)	.002		

14 INORGANICS (mg/l or ppm)

Total CN	N/S	Iodine	N/S
Free CN	N/S	Asbestos	N/S
Sulfide	N/S		
Chloride	N/S		
Bisulfite	N/S		
Sulfite	N/S		
Sulfate	N/S		
Phosphate	N/S		
Fluorine	N/S		
Bromine	N/S		
Chlorine	N/S		

15 ORGANICS (mg/l or ppm)

Endrin	N/S	Organohalide	N/S
Methoxychlor	N/S	Mercaptans	N/S
Toxaphene	N/S		
2,4-D	N/S		
2,4,5-T	N/S		
Phenolics	N/S		
PCBs	N/S		
Dioxin	N/S		
TOX	N/S		

17 PHYSICAL DESCRIPTION

Physical State		Liquid	⋈	Semi-solid		Solid
Phases/Layering	⋈	Uni-Layer		Bilayer		Multilayer
Viscosity		High	⋈	Medium		Low
Type of Solids		Organic		Inorganic		Mixed

Total Solids (wt. %): Suspended Solids (wt. %):
BTU/lb 16,000 % Ash Content 2.55 % Water (by weight):
Flash Point (°F) 260°F Type:
Specific Gravity:
Boiling Point, (°C): Freezing Point, (°C):
Vapor Pressure (mm Hg @ 24°C):
pH (Avg): (Range): to
Total Alkalinity/Acidity (%):
Odor: None to Mild
Color: Black

18 HAZARDOUS PROPERTIES

	Water Reactive		Reactive	⋈	None
	Shock Sensitive		Pyrophoric		Explosive
	Radioactive		Pesticide Residuals		Polymerizable
	Corrosive		Toxic Vapor		Ignitable
	Biological		Etiological		Pathogen
	Other				

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
Wear Gloves

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

-X Not Suspected - N/S

DATE March 15 1988 GENERATOR'S SIGNATURE: Dick Davis Plant Engr.

MSP FORM 1610 (REV. JUNE 87)

DEQ052181

271

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 016515

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | L|A|D|9|8|1|0|5|7|7|0|6 | Manifest Document No.

2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SERVICE PRINTING COMPANY
2725 HILLER STREET, SAN LEANDRO, CA 94577

4. Generator's Phone (415) 352-7990

5. Transporter 1 Company Name: GRAPHIC DISPOSAL
6. US EPA ID Number: |C|A|D|9|8|2|0|3|0|1|E|

7. Transporter 2 Company Name:
8. US EPA ID Number:

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: |L|A|D|9|8|1|0|5|7|7|0|6

A. State Manifest Document Number:
B. State Generator's ID:
C. State Transporter's ID: 014546
D. Transporter's Phone: 213-921-8097
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID:
H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, LIQUID N.O.S. ORM-E NA-9189	001	DM	00005	G	RCRA EXEMPT R
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above
A). AMMONIA
GRD/SPRI/9002933/DFO

RECYCLE / REUSE

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DEAN SOTELO | Signature: [signature] | Month Day Year: 06/21/90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: READ BUTLER | Signature: [signature] | Month Day Year: 06/21/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space
DEQ052182

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: GINA BASSETT | Signature: [signature] | Month Day Year: 06/21/90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator, YELLOW – TSDRF, BLUE – Transporter 2, PINK – Transporter 1, GOLD – Generator

GENERATOR
TRANSPORTER
FACILITY

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DEQ V. 1 REV Reasonable PRODUCED BY REQUEST 6-1-93

MSD054

2212

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DIRECT FEED ONLY

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

MAY 29 1990

9002933

For MSP Use Only
Approval Code GRO/SPRI/9002933-DFO

A. Generator Information

Generator Name: Service Printing Co
Site Address: 2725 Miller St
City: San Leandro State: CA Zip Code: 94577
Generator Contact: Richard Mendoza
Title: Manager
Telephone No. (415) 352-7890
Facility EPA I.D. No.: CAD 981990849

B. Customer Information

Company Name: GRAPHIC DISPOSAL
Contact: WILLIAM B BATTAGLIA
Address: 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213) 921-8097
For Customer Use: AMMONIA

C. Regulatory Information

☐ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s): RCRA EXEMPT

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
• AMMONIA •	• 75 •	
DIRT	25	

Common Name of Waste:

E. General Characteristics

Color: CLEAR
Odor: ☐ None ☐ Mild X Strong
X Liquid ☐ Sludge ☐ Solid ☐ Powder
Phases X Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y	N	Polymerizable?	Y	N
Infectious?	Y	N	Pyrophoric?	Y	N
Water Reactive?	Y	N	Explosive?	Y	N

G. Physical/Chemical Properties

Ash (list actual Wt %): 23
BTU's per lb (list actual value): 1,000
Water (Wt %): ☐ <1 ☐ 1-5 ☐ 5-10 ☐ > 10 list actual
Specific Gravity: ☐ < 0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ 1.2-1.4 ☐ 1.4-1.7 ☐ > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %–for bulk liquids only): ☐ 5-20 ☐ > 20 list actual
pH: ☐ 2-6 ☐ 6-10 ☐ 10-12.5 ☐ > 12.5 list actual

Flash Point (closed cup): ☐ < 100°F ☐ 100°-140°F ☐ 140°-200°F ☐ > 200°F ☐ °F actual
Sulfur (Wt %): ☐ < 5 ☐ > 5 list actual value

Halogens (Wt %): ☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine

	<1	1-5	5-10	> 10 list actual Wt %
Iodine	X	☐	☐	
Bromine	X	☐	☐	
Chlorine	X	☐	☐	
Fluorine		actual	Wt %	

Metals: EP Toxicity Test (MG/L) N/S NONE SUSPECTED

Arsenic (As)	N/S	Selenium (Se)	N/S
Barium (Ba)	N/S	Silver (Ag)	N/S
Cadmium (Cd)	N/S	Copper (Cu)	N/S
Chromium (Cr)	N/S	Nickel (Ni)	N/S
Lead (Pb)	N/S	Zinc (Zn)	N/S
Mercury (Hg)	N/S		

Organics (ppm)

Endrin	N/S
Lindane	N/S
Methoxychlor	N/S
Toxaphene	N/S
2,4-D	N/S
2,4,5-TP (Silvex)	N/S

If material contains the following compounds, indicate actual ppm:

PCB	N/S
Cyanides	N/S
Sulfides	N/S
Dioxin	N/S

* MUST BE PACKAGED IN 5 gallon * poly drum

DEQ052183

MSD054

27

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US V. MSP Releasable
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BOX 5 REQUEST # 1

H. Notes, Additional Information or Special Handling Instructions

Generating Process:

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES AND GOGGLES

J. Shipping Information

DOT Hazardous Material Y N (circle one)

Proper Shipping Name: HAZARDOUS WASTE, LIQUID N.O.S. DOT I.D. No. UN/NA: NA-9189

Hazard Class: ORM-E RQ

Anticipated Volume: Drums Gal: 5 GALLONS Yds Lbs ☐ Bulk? ☐ Rail?

Container Size: 5 GALLON Container Type: POLY

Per ☐ One time ☐ Week ☐ Month ☐ Year ☒ Other: 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] Generator's Signature

2. Richard MENDOZA Name (Type or Print)

3. 5-25-90 Date

4. MANAGER Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

DEQ052184

MSD054

2794

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE

MANIFEST Nº 015872

Form Approved. OMB No. 2050-0039. Expires 9-30-91

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000015911 — Manifest Document No.
2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
WEST SIDE PRINT WORKS
1537 14TH STREET, SANTA MONICA, CA 90404
4. Generator's Phone (213) 450-2307

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID 04238
D. Transporter's Phone 213-921-8097
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (504) 631-3161

5. Transporter 1 Company Name: GRAPHIC DISPOSAL — 6. US EPA ID Number: CAD982030181
7. Transporter 2 Company Name — 8. US EPA ID Number
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. / HIGHWAY 90 EAST / MORGAN CITY, LOUISIANA 70380 — 10. US EPA ID Number: LAD981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, LIQUID N.O.S. ORM-E NA-9189	0011	DM	00055	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above: RECYCLE/REUSE
A) WASTE INK
GRD/WSPM/9000814

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name — Signature — Month Day Year 12-11-90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year 12-12-90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052185

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name GINA BOSSETT — Signature — Month Day Year 12-12-90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ GREEN – Generator YELLOW – TSDRF BLUE – Transporter 2 PINK – Transporter 1 GOLD – Generator

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DEQ V. NRP — PRODUCED BY NRP 9/93 — Releasable

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215 F

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

FEB 19 1990

9000814
7180006

For MSP Use Only
Approval Code GRD/WSPW/9000814

A. Generator Information

Generator Name: West Side Print Works
Site Address: 1537 14th Street
City: Santa Monica State: CA Zip Code: 90404
Generator Contact: Gareth Kantz
Title: President
Telephone No. (213) 450-2307
Facility EPA I.D. No.: CAL000015891

B. Customer Information

Company Name: GRAPHIC DISPOSAL, INC.
Contact: WILLIAM B. BATTAGLIA
Address: 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213) 921-8097
For Customer Use:

C. Regulatory Information

RCRA Regulated | Land Ban | X Non-Regulated | EPA Waste Code(s): RCRA EXEMPT

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ALKYD RESIN	15	
PHENOLIC RESIN (SOLID)	20	
MINERAL OIL	26	
LINSEED OIL	16	
POLYETHLENE WAX	3	
COLBALT & MANGANESE TALLATE DRY PIGMENT	2	
	18	

Common Name of Waste: INK WASTE

E. General Characteristics

Color: BLACK
Odor: X None | Mild | Strong
Liquid | X Sludge | Solid | Powder
Phases: X Single Layer | Double Layer | Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y (N)	Polymerizable?	Y (N)
Infectious?	Y (N)	Pyrophoric?	Y (N)
Water Reactive?	Y (N)	Explosive?	Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 3.85
BTU's per lb (list actual value): 16,000
Water (Wt %): X <1 | 1-5 | 5-10 | if > 10 list actual
Specific Gravity: X <0.8 | 0.8-1.0 | 1.0-1.2 | 1.2-1.4 | 1.4-1.7 | >1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): 5-20 | if > 20 list actual
pH: 2-6 | 6-10 | 10-12.5 | if < 2 or > 12.5 list actual: ORGANIC NEUTRAL

Flash Point (closed cup):
L: < 100°F | L: > 200°F
I: 100°-140 F | I: 280 °F
F: 140°-200 F | actual

Sulfur (Wt %): X < 5 | if > 5 list actual value

Halogens (Wt %): <1 | 1-5 | 5-10 | if > 10 list actual Wt %
Iodine | Bromine | Chlorine | Fluorine ____ actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	1	Silver (Ag)	
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm): n/s NONE SUSPECTED

Endrin	n/s
Lindane	n/s
Methoxychlor	n/s
Toxaphene	n/s
2,4-D	n/s
2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s
Cyanides	n/s
Sulfides	n/s
Dioxin	n/s

DEQ052186

CS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # MSD054
BOX 5
MSD054
2276

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, LIQUID N.O.S.

DOT I.D. No. (circle one) UN/NA 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: 1 x 55 GAL. Drums Gal Yds lbs Bulk? Roll?

Container Size: 55 GALLON

Container Type: 55 GALLON STEEL

Per: One time Week Month Year XOther 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] Generator's Signature

2. Gareth Kantz President. Name (Type or Print)

3. 2/16/90 Date

4. President Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

MSP Form 1040 II Rev. 10/89

DEQ052187

DS V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-1600 MSD054

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE ✓

MANIFEST Nº 015871

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD982252755 — Manifest Document No.

2. Page of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
GRAPHTECH COLOR
16610 S. WESTERN, GARDENA, CA 90247

4. Generator's Phone (213) 532-5734

5. Transporter 1 Company Name: GRAPHIC DISPOSAL

6. US EPA ID Number: CAD982030181

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: LAD981057706

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID 014238

D. Transporter's Phone 2130921-8097

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	L Waste No.
a. HAZARDOUS WASTE, SOLID N.O.S. ORM-E NA-9189	013	DM	011615	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) WASTE INK & CANS
GRD/GRPH/8903860

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name: KENNETH J. HELM — Signature: Kenneth J. Helm — Month Day Year: 6/1/90

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Michael Lockhart — Signature: Michael Lockhart — Month Day Year: 6/1/90
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY
19. Discrepancy Indication Space
DE8052188

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Gina Bassett — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-89) WHITE: DEQ GREEN — Designated YELLOW: TERRE BLUE — Transporter 1 PINK — Transporter 2 GOLD — Generator

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US V. MSP
PRODUCED BY MSP 9/93
Releasable
REQUEST # 1-11665
BOX 5
Manifest, Misc.

MSD054

2218 F

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MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

MCDS Document # JUL 13 1993

MSP CODE: GRD/GRPH/8903860

Generator Name: Graphic Color Inc
Facility Address: 16610 S. Jordan Ave
City, State, Zip: Gardena Ca 90247
Technical Contact: Brian Arakaki
Title: Financial officer
Telephone NO. (213) 532 5731 EXT:
Facility EPA ID #: CAD 982 522 575

Bill To: GRAPHIC DISPOSAL
Address: 13621 ALONDRA BLVD.
City, State, Zip: SANTA FE SPRINGS, CA 90670
Telephone #: (213) 921-6097
Company Contact: WILLIAM BATTAGLIA
Container Size: 55 GALLON STEEL
EPA Waste No. RCRA EXEMPT (CAL WASTE ONLY)
Generating Process: PRINTING
Common Name of Waste: INK WASTE
Rate of Generation: 1 x 55 (Quant) (Units) PER 90 DAYS (Time Interval)
Volume in Storage: 1 x 55 (Quant) (Units) IN 55 GALLON STEEL (Container Size and Type)

Is Waste DOT Hazardous [XX] YES [ ] NO
Proper DOT Shipping Name: HAZARDOUS WASTE, SOLID N.O.S.
Hazard Class: ORM-E ID No.: NA-9189
Transportation Equipment: TRUCK
Placarding: NONE

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

5# EMPTY INK CANS NO THICKER THAN 17H	50 %
ALKD RESIN	7.5 %
PHENOLIC RESIN (SOLID)	10 %
MINERAL OIL	13 %
LINSEED OIL	8 %
POLYETHILENE WAX	1.5 %
MAGANESE & COLBALT TALLATE	1 %
DRY PIGMENT	9 %

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	.001	Silver (Ag)	.005
Barium (Ba)	.05	Copper (Cu)	
Cadmium (Cd)	.003	Nickel (Ni)	
Chromium (cr)	.01	Zinc (Zn)	
Lead (Pb)	.02		
Mercury (Hg)	.0001		
Selenium (Se)	.001		

INORGANICS (mg/l or ppm)

Total CN	N/S	Iodine	N/S
Free CN	N/S	Asbestos	
Sulfide	N/S		
Chloride	N/S		
Bisulfite	N/S		
Sulfite	N/S		
Sulfate	N/S		
Phosphate	N/S		
Fluorine	N/S		
Bromine	N/S		
Chlorine	N/S		

ORGANICS (mg/l or ppm)

Endrin	N/S	Organohalide	N/S
Methoxychlor	N/S	Mercaptans	
Toxaphene	N/S		
2, 4-D	N/S		
2,4,5-T	N/S		
Phenol(ics)	N/S		
PCBs	N/S		
Dioxin	N/S		
TOC	N/S		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[XX] Semi-solid	[ ] Solid				
Phases/Layering	[ ] Uni-Layer	[X] Bilayer	[ ] Multilayer				
Viscosity	[ ] High	[ ] Medium	[XX] Low				
Type of Solids	[ ] Organic	[ ] Inorganic	[ ] Mixed				

Total Solids (wt. %): ---- Suspended Solids (wt. %): ----
BTU/lb: 16,000 % Ash Content: 58 % Water (by weight):
Flash Point (°F): 280 F Type:
Specific Gravity: ----------
Boiling Point, (°C): ---- Freezing Point, (°C): ----
Vapor Pressure (mm Hg @ 24°C): ----------
pH (Avg): ORGANIC NEUTRAL (Range): to
Total Alkalinity/Acidity (%):
Odor: NONE
Color: BLACK

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] Explosive	[X] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Polymerizable	
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Ignitable	
[ ] Corrosive	[ ] Toxic Vapor	[ ] Pathogen	
[ ] Biological	[ ] Etiological		
[ ] Other			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

WEAR GLOVES & GOGGLES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DEQ052189

DATE: 7/12/93 GENERATOR'S SIGNATURE:

U.S.V. MSP Released PRODUCED BY MSP 9/93 REQUEST # 11622
BOX # 5 GALLONS
MSD054
2791

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

RECYCLE / REUSE

MANIFEST Nº 015219

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C|A|L|G|0|0|0|3|4|2|3|3 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
K & M PRODUCTIONS
357 E. ARROW HWY STE 203, SAN DIMAS, CA. 91773

4. Generator's Phone (714) 592-7419

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: GRAPHIC DISPOSAL

6. US EPA ID Number: C|A|D|9|8|2|0|3|0|1|6|2

C. State Transporter's ID: 014.TR

D. Transporter's Phone: 213-921-8097

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number: L|A|D|9|8|1|0|5|7|7|0|6

G. State Facility's ID

H. Facility's Phone: (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, LIQUID N.O.S. ORM-E NA-9189	001	DM	00055	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) WASTE INK
GRd|MPRO|9003311

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR — Printed/Typed Name | Signature | Month Day Year: 10/01/14/10

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Michael Lankhart | Signature: Michael Lankhart | Month Day Year: 10/01/14/10
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space
DEQ052190

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

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Releasable
PRODUCED BY MSP 9/93
REQUEST # 5
BOX # 1
CB V. MSP

MSD054

2280 F

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

JUN 15 1990

9003311

For MSP Use Only
Approval Code GRO/MPRO/9003311

A. Generator Information

Generator Name 3M Productions
Site Address 357 E. Arrow Hwy. #203
City San Dimas State CA. Zip Code 91773
Generator Contact Roy Bishop
Title Production Manager
Telephone No. (714) 592-4419
Facility EPA I.D. No. CAL 000 034 233

B. Customer Information

Company Name GRAPHIC DISPOSAL, INC.
Contact WILLIAM B. BATTAGLIA
Address 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No. (213) 921-8097
For Customer Use

C. Regulatory Information

RCRA Regulated Land Ban X Non-Regulated EPA Waste Code(s) RCRA EXEMPT

D. Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%.)

	MIN	MAX
ALKYD RESIN	15	
PHENOLIC RESIN (SOLID)	20	
MINERAL OIL	26	
LINSEED OIL	16	
POLYETHLENE WAX	3	
COLBALT & MANGANESE TALLATE	2	
DRY PIGMENT	18	

Common Name of Waste: INK WASTE

E. General Characteristics

Color: BLACK
Odor: X None Mild Strong
Liquid X Sludge Solid Powder
Phases X Single Layer Double Layer Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y (N)	Polymerizable?	Y (N)
Infectious?	Y (N)	Pyrophoric?	Y (N)
Water Reactive?	Y (N)	Explosive?	Y (N)

G. Physical/Chemical Properties

As% (list actual Wt %): 3.85
BTU's per lb (list actual value): 16,000
Water (Wt %): X <1 5-10 1-5 >10 List actual
Specific Gravity: X <0.8 1.2-1.4 0.8-1.0 1.4-1.7 1.0-1.2 >1.7 List actual
Viscosity (for bulk liquids only) List actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): 5-20 >20 List actual
pH: 2-6 6-10 10-12.5 >12.5 List actual ORGANIC NEUTRAL

Flash Point (closed cup)
< 100°F > 200°F
100°-140°F 280 °F actual
140°-200°F

Sulfur (Wt %): X < 5 If > 5 list actual value

Halogens (Wt %): <1 1-5 5-10 If > 10 list actual Wt %
Iodine Bromine Chlorine Fluorine actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	.1	Silver (Ag)	N/S by Tatar
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm) n/s NONE SUSPECTED

Endrin	n/s
Lindane	n/s
Methoxychlor	n/s
Toxaphene	n/s
2,4-D	n/s
2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s
Cyanides	n/s
Sulfides	n/s
Dioxin	n/s

DEQ052191

MSD054

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NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

H. Notes, Additional Information or Special Handling Instructions

Generating Process: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, LIQUID N.O.S.

DOT I.D. No. UN/(NA) 9189 (circle one)

Hazard Class: ORM-E

RQ

Anticipated Volume: Drums · Gal 1 x 55 GAL. Yds Lbs Bulk : Roll

Container Size: 55 GALLON

Container Type: 55 GALLON STEEL

Per : One time . Week : Month · Year X Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Roy C. Bishop — Generator's Signature

2. Roy C. Bishop — Name (Type or Print)

3. 6/12/90 — Date

4. Prod. Mgr — Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052192

MSP Form 1040 B Rev. 10/89

DB V. MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1-1-1-1 BOX 5 Hazardous Waste Profile Records

MSD054

2282

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US V. MSP Releasable
PRODUCED BY MSP 9/92
BOX 5
REQUEST # 1700

MSD054

MM Productions
Advertising • Photography • Printing

JUN 25 1990

June 25, 1990

Marine Shale Processors, Inc.
110 James Drive West Suite 120
St. Rose, LA 70087

Attention: KG

RE: Document # 9003311

In regards to the above listed document number the silver content should read N/S for none suspected.

Thank you for your help and understanding. If there are any further questions or problems please feel free to contact us.

Sincerely,

DEQ052193

357 E. Arrow Highway • San Dimas • California • 91773 • (714) 592-4419

2281

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

RECYCLE / REUSE ✓

MANIFEST Nº 015236

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 9 8 1 4 6 2 3 7 2 — Manifest Document No.

2. Page 1 of — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTH COAST PRINTER
17462 ARMSTRONG, IRVINE, CA 92714

4. Generator's Phone ( ) 261-2155

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name
GRIFFIN DISPOSAL

6. US EPA ID Number
CAD 0 8 2 0 3 0 3 8 1

C. State Transporter's ID 01438

D. Transporter's Phone 213-921-8097

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380

10. US EPA ID Number
L A D 9 8 1 0 5 7 7 0 6

G. State Facility's ID

H. Facility's Phone (504) 631-3161

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. HAZARDOUS WASTE, LIQUID N.O.S. ORM-E NA-9189	001	DM	00110	G	RCRA R EXEMPT
b.					R
c.					R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
A) WASTE INK
GRD/SOCP/9003212

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WEAR GLOVES AND GOGGLES
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: BRADLEY M. JACKSON — Signature: B. M. Jackson — Month Day Year: 11/12/96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Michael Lockhart — Signature: Michael Lockhart — Month Day Year: 12/11/96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space
DEQ052194

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Gary Rivet II — Signature — Month Day Year

EPA Form 8700-22 (Rev.) — PREVIOUS EDITIONS ARE OBSOLETE — DESIGNATED FACILITY — GENERATOR — TRANSPORTER — FACILITY

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DEQ v.1 MSD Releasable
PRODUCED BY MSD 9/93
REQUEST # 1-1-1-

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504-465-3310

JUN 11 1990

9003212

For MSP Use Only
Approval Code GRD/SOCP/9003212

A. Generator Information

Generator Name: South Coast Printing
Site Address: 17462 Armstrong Ave
City: Irvine State: CA Zip Code: 92714
Generator Contact: Tom Underwood
Title: Plant Mgr.
Telephone No. (714) 261-1155
Facility EPA I.D. No.: CAD 982 402 372

B. Customer Information

Company Name: GRAPHIC DISPOSAL, INC.
Contact: WILLIAM B. BATTAGLIA
Address: 15207 MARQUARDT AVENUE
SANTA FE SPRINGS, CA 90670
Telephone No (213) 921-8097
For Customer Use

C. Regulatory Information

RCRA Regulated Land Ban X Non-Regulated EPA Waste Code(s): RCRA EXEMPT

D. Chemical Composition

(NO TRADE NAMES - Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
ALKYD RESIN	15	
PHENOLIC RESIN (SOLID)	20	
MINERAL OIL	26	
LINSEED OIL	16	
POLYETHLENE WAX	3	
COLBALT & MANGANESE TALLATE	2	
DRY PIGMENT	18	

Common Name of Waste: INK WASTE

E. General Characteristics

Color: BLACK
Odor: X None Mild Strong
Liquid X Sludge Solid Powder
Phases: X Single Layer Double Layer Multi-Layer

F. Specific Characteristics

Is the waste:

Radioactive?	Y (N)	Polymerizable?	Y (N)
Infectious?	Y (N)	Pyrophoric?	Y (N)
Water Reactive?	Y (N)	Explosive?	Y (N)

G. Physical/Chemical Properties

Ash (list actual Wt %): 3.85
BTU's per lb (list actual value): 16,000
Water (Wt %): X <1 5-10 1-5 if > 10 list actual
Specific Gravity: X < 0.8 1.2-1.4 0.8-1.0 1.4-1.7 1.0-1.2 > 1.7 list actual
Viscosity (for bulk liquids only) list actual in centipoise: cp
Total Suspended Solids (Wt %-for bulk liquids only): 5-20 if > 20 list actual
pH: 2-6 6-10 10-12.5 if < 2 or > 12.5 list actual ORGANIC NEUTRAL

Flash Point (closed cup):
< 100°F > 200°F
100°-140°F 280 °F actual
140°-200°F

Sulfur (Wt %): X < 5 if > 5 list actual value

Halogens (Wt %): <1 1-5 5-10 if > 10 list actual Wt %
Iodine
Bromine
Chlorine
Fluorine actual Wt %

Metals: EP Toxicity Test (MG/L)

Arsenic (As)	.002	Selenium (Se)	.002
Barium (Ba)	1	Silver (Ag)	
Cadmium (Cd)	.005	Copper (Cu)	
Chromium (Cr)	.05	Nickel (Ni)	
Lead (Pb)	.05	Zinc (Zn)	
Mercury (Hg)	.0002		

Organics (ppm) n/s NONE SUSPECTED

Endrin	n/s
Lindane	n/s
Methoxychlor	n/s
Toxaphene	n/s
2,4-D	n/s
2,4,5-TP (Silvex)	n/s

If material contains the following compounds, indicate actual ppm:

PCB	n/s
Cyanides	n/s
Sulfides	n/s
Dioxin	n/s

DEQ052195

DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1162
Box 5
MSD054
289

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H. Notes, Additional Information or Special Handling Instructions

Generating Process: PRINTING

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logsuc sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.

WEAR GLOVES & GOGGLES

J. Shipping Information

DOT Hazardous Material (Y) N

Proper Shipping Name: HAZARDOUS WASTE, LIQUID N.O.S.

DOT I.D. No. (circle one) UN/(NA) 9189

Hazard Class: ORM-E

RQ

Anticipated Volume: Drums: Gal: 1 x 55 GAL. Yds: Lbs: Bulk? : Rail?

Container Size: 55 GALLON Container Type: 55 GALLON STEEL

Per : One time : Week : Month : Year X Other 90 DAYS

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed, I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. [signature] Generator's Signature

2. Tom Underwood Name (Type or Print)

3. 6-8-90 Date

4. Plant Manager Title

Recertification Requirements

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DEQ052196

MSP Form 1040 II Rev. 10/89

US v. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # [illegible]
BOX [illegible]

MSD054

2286

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

RECYCLE / REUSE

MANIFEST No. 015738

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LADO933810614 — Manifest Document No.
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CHEMICAL CONSERVATION OF GEORGIA
1612 JAMES P RODGERS CIRCLE
VALDOSTA, GEORGIA 31601

4. Generator's Phone (912) 244-0474

A. State Manifest Document Number
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone 407-859-4441
G. State Facility's ID
H. Facility's Phone (504) 631-3161

5. Transporter 1 Company Name: CHEMICAL CONSERVATION CORP — 6. US EPA ID Number: FLD980559728
7. Transporter 2 Company Name — 8. US EPA ID Number
9. Designated Facility Name and Site Address: MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380 — 10. US EPA ID Number: LAD981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. RQ WASTE FLAMMABLE SOLID, NOS UN1325 (F003,F005,D001) FLAMMABLE SOLID	32	DM	17600	G	F003 F005 D001 R
b. RQ WASTE FLAMMABLE LIQUID, NOS UN1993 (F003,F005) FLAMMABLE LIQUID	32	DM	17600	G	F003 F005 R
c. RQ HAZARDOUS WASTE SOLID, NOS ORM-E NA9189 (F002)	4	DM	2200	G	F002 R
d.					R

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
EMRA/CLC08904281
EMRA/CLC08904282
EMRA/CLC08904280

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
EMERGENCY CONTACT: DEBRA L MCREYNOLDS
912-244-0474
IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DEBRA L. MCREYNOLDS — Signature: Debra L McReynolds — Month Day Year: 10/25/90

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Russ Hall — Signature: Russ Hall — Month Day Year: 11/21/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space
DEQ052197

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Gail Leonard — Signature: Phil Kemard — Month Day Year: 11/26/90

EPA Form 8700-22 (Rev. 9-88) WHITE – DEQ, GREEN – Generator, YELLOW – TSDRF, BLUE – Transporter 2, PINK – Transporter 1, GOLD – Generator

GENERATOR | TRANSPORTER | FACILITY

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DB V. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # 1-1111

MSD054

2281 F

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

MCDS Document # 8904281

AUG 02 1989

EMRA|CLCO|8904281

MSP CODE: _____

Generator Name: Chemical Conservation Corp
Facility Address: 1612 James Rodger Circle
City, State, Zip: Valdosta, Ga. 31601
Technical Contact: Pat Sullivan
Title: sales manager
Telephone NO. (407) 859-4441 EXT: _____
Facility EPA ID #: GAD 0093380814

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

debris (rags, gloves, floor sweepings	%
cardboard, dirt & cartridge filter) 95	%
solvents (mineral spirits 5	%
xylene, toulene)	%
	%
	%
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxiaphene	0		
2, 4-D	0		
2,4,5-T	0		
Phenolics)	0		
PCBs	0		
Dioxin	0		
TOC	0		

Bill To: Emras, Inc.
Address: 10219 General Drive
City, State, Zip: Orlando, Fla. 32824
Telephone #: 407/859-7884
Company Contact: R. Recatto
Container Size: 55's
EPA Waste No. D001, F003, F005 - F005 - see attachment
Generating Process: paint cleanup
Common Name of Waste: paint wastes
Rate of Generation: 80 (Quant) 55 (Units) PER mo (Time Intervals)
Volume In Storage: 80 (Quant) 55's (Units) IN (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: flammable solids
Hazard Class: flam solid No. UN 1325
Transportation Equipment: _____
Placarding: _____

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[ ] Semi-solid	[X] Solid	
Phases/Layering	[ ] Uni-Layer	[ ] Bilayer	[ ] Multilayer	
Viscosity	[ ] High	[ ] Medium	[ ] Low	
Type of Solids	[ ] Organic	[ ] Inorganic	[ ] Mixed	

Total Solids (wt. %): 95% Suspended Solids (wt. %): _____
BTU/lb: 2-4k % Ash Content: 40 % Water (by weight): _____
Flash Point (°F): 100 Type: _____
Specific Gravity: 1
Boiling Point (°C): _____ Freezing Point (°C): _____
Vapor Pressure (mm Hg @ 24°C): _____
pH (Avg): 7 (Range): 6 to 8
Total Alkalinity/Acidity (%): _____
Odor: hydrocarbon
Color: varies

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable
[ ] Corrosive	[ ] Toxic Vapor	[ ] Ignitable
[ ] Biological	[ ] Etiological	[ ] Pathogen
[ ] Other _____		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES: _____

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 8/1/89 GENERATOR'S SIGNATURE: _____

MSP FORM 9-88 (REV. 11-89)

DER052198

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US V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2288

August 2,1989

Sharon Ralph
Marine Shale Processors
110 James Drive,Suite 120
St. Rose, La. 70087

Dear Sharon,

I hereby submit the following as addendum information for document numbers 8904277-8904283:

A. Document number 8904277 should not have listed F003 as a component.

B. The flash point for document number 8904278 should have read <140°F.

C. Document numbers 8904277-8904283 should have listed GAD093380814 as the U.S. E.P.A. ID number.

If you have questions, please call.

Best Regards,

Pat Sullivan
Chemical Conservation Corp.

BJR/avh

DEQ052199

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DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST #

MSD054

August 16,1989

Sharon Ralph
Marine Shale Processors
110 James Drive W., Suite 120
St. Rose, La 70087

Dear Sharon,

I hereby confirm that both F003 and F005 should have been listed on document number 8904281.

Best Regards,

Pat Sullivan
Chemical Conservation

BJR/avh

DEQ052200

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US v. MSD Releasable
PRODUCED BY: MSD 9/93
REQUEST #
BOX
Marine Shale Processors

MSD054

290

EMRAS

FAX TRANSMITTAL FORM

DATE: August 16, 1889

NUMBERS OF PAGES:
(including cover page) 2

FROM: Brian Recatto

ATTN: Barbara Fontenot

ADDITIONAL
INFORMATION:

***Should you have any questions receiving this fax, please call 407/859-7884 to receive assistance.

ENVIRONMENTAL MANAGEMENT,
REMEDIAL and ANALYTICAL
SERVICES, INC.
10219 GENERAL DRIVE
ORLANDO, FL 32824
407 859-7884
FAX 407 859-8136

DEQ052201

NOTICE: If the film image is less clear than this notice, it is due to the quality of the document being filmed

DS V. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 5
BOX # 1
Hazardous Waste

MSD054

291

MCO Document #
8314282

AUG 07 1989

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

EMRA/CLCO/8/01282

MSP CODE: _____

Generator Name: Chemical Conservation Corp.
Facility Address: 1612 James Rodger Circle
City, State, Zip: Valdosta, Ga. 31601
Technical Contact: Pat Sulivan
Title: sales manager
Telephone NO. (407) 859-4441 EXT: _____
Facility EPA ID #: GAD 0093380814

Bill To: Emras, Inc.
Address: 10219 General Drive
City, State, Zip: Orlando, Fla. 32824
Telephone #: 407/859-7884
Company Contact: R. Recatto
Container Size: 55's
EPA Waste No. F003, F005
Generating Process: paint booth waste
Common Name of Waste: waste paint sludge
Rate of Generation: 80 (Quant) 55's (Unit) PER mo (Time Intervals)
Volume In Storage: 80 (Quant) IN 55's (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: waste flammable liquid, nos
Hazard Class: flam liq ID No. UN 1263
Transportation Equipment: van
Placarding: _____

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

paint, resin & pigments	60	%
solvents (toluene, xylenes, mek, ethyl alcohol	35	%
		%
debris (floor sweepings)	5	%
		%
		%
		%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Endrin	0	Organosulfide	0
Methoxychlor	0	Mercaptans	0
Toxiphene	0		
2,4-D	0		
2,4,5-T	0		
Phenol(ics)	0		
PCBs	0		
Dioxin	0		
TOC	0		

PHYSICAL DESCRIPTION

Physical State	[ ] Liquid	[X] Semi-solid	[ ] Solid				
Phases/Layering	[ ] Uni-Layer	[ ] Bilayer	[ ] Multilayer				
Viscosity	[ ] High	[ ] Medium	[ ] Low				
Type of Solids	[ ] Organic	[ ] Inorganic	[ ] Mixed				

Total Solids (wt. %) ≤20% Suspended Solids (wt. %) _____
BTU/lb 6-8k % Ash Content ≤20 % Water (by weight) _____
Flash Point (°F) ≤100 Type _____
Specific Gravity ≥1
Boiling Point, (°C) _____ Freezing Point, (°C) _____
Vapor Pressure (mm Hg @ 24°C) _____
pH (Avg) 7 (Range) 6 to 8
Total Alkalinity/Acidity (%) _____
Odor solvent
Color varies

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] Explosive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Polymerizable	
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Ignitable	
[ ] Corrosive	[ ] Toxic Vapor	[ ] Pathogen	
[ ] Biological	[ ] Etiological		
[ ] Other _____			

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

_____

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 8/1/89 GENERATOR'S SIGNATURE: Pat Sulivan

(MUST FOLLOW MSB RECYCLE POLICY)

DE0052202

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US V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2292

82

August 2,1989

Sharon Ralph
Marine Shale Processors
110 James Drive,Suite 120
St. Rose, La. 70087

Dear Sharon,

I hereby submit the following as addendum information for document numbers 8904277-8904283:

A. Document number 8904277 should not have listed F003 as a component.

B. The flash point for document number 8904278 should have read <140°F.

C. Document numbers 8904277-8904283 should have listed GAD093380814 as the U.S. E.P.A. ID number.

If you have questions, please call.

Best Regards,

Pat Sullivan
Chemical Conservation Corp.

BJR/avh

DEQ052203

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US v. MSP Releasable
PRODUCED BY MSP 9/93
REQUEST # 1-1200
Box 5 of 15
Hartford, MI 49057

MSD054

2293

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NCDS Document # 8904280-1-1

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

EMRA|CLCO|8904280
MSP CODE:

AUG 02 1989

Generator Name: Chemical Conservation Corp.
Facility Address: 1612 James Rodger Circle
City, State, Zip: Valdosta, Ga. 31601
Technical Contact: Pat Sullivan
Title: sales manager
Telephone NO.: (407) 859-4441 EXT:
Facility EPA ID #: GAD 0093380814

Bill To: Emras, Inc.
Address: 10219 General Drive
City, State, Zip: Orlando, Fla. 32824
Telephone #: 407/859-7884
Company Contact: B. Recatto
Container Size: 55's
EPA Waste No.: F002
Generating Process: paint stripping
Common Name of Waste: Waste chlorinated sludge
Rate of Generation: 80 (Quant) 55 (Units) PER mo (Time Intervals)
Volume In Storage: 80 (Quant) IN 55's (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: haz waste solid, nos
Hazard Class: ORM-E ID No.: NA 9189
Transportation Equipment: van
Placarding:

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

methylene chloride		%
1,1,1 trichloroethane	10-15	%
trichloroethylene		%
phenol urethane epoxy		%
paint and ALKYD resins	75	%
debris	10	%
		%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		0
Mercury (Hg)	0		0
Selenium (Se)	0		

INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2, 4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

PHYSICAL DESCRIPTION

Physical State: [X] Liquid [ ] Semi-solid [ ] Solid
Phases/Layering: [ ] Uni-Layer [ ] Bilayer [ ] Multilayer
Viscosity: [ ] High [ ] Medium [ ] Low
Type of Solids: [ ] Organic [ ] Inorganic [ ] Mixed
Total Solids (wt. %): 75% Suspended Solids (wt. %):
BTU/lb: 1000 % Ash Content: < 30 % Water (by weight):
Flash Point (F): 140-200F Type:
Specific Gravity:
Boiling Point (C): Freezing Point (C):
Vapor Pressure (mm Hg @ 24°C):
pH (Avg): 7 (Range): 6 to 8
Total Alkalinity/Acidity (%):
Odor:
Color: brown

HAZARDOUS PROPERTIES

[ ] Water Reactive	[ ] Reactive	[ ] NONE
[ ] Shock Sensitive	[ ] Pyrophoric	[ ] Explosive
[ ] Radioactive	[ ] Pesticide Residuals	[ ] Polymerizable
[ ] Corrosive	[ ] Toxic Vapor	[ ] Ignitable
[ ] Biological	[ ] Etiological	[ ] Pathogen

[ ] Other:

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 8/1/89 GENERATOR'S SIGNATURE:

DEQ052204

US V. MSP PRODUCED BY MSP 9/93 Reasonable REQUEST # ---- BOX # ---- MSD054 294

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MCDS Document # 89142811

P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

EMRACCO18904280
MSP CODE:

AUG 02 1989

Generator Name: Chemical Conservation Corp.
Facility Address: 1612 James Rodger Circle
City, State, Zip: Valdosta, Ga. 31601
Technical Contact: Pat Sulivan
Title: sales manager
Telephone NO. (407) 859-4441 EXT:
Facility EPA ID #: GAD 0093380814

Bill To: Emras, Inc.
Address: 10219 General Drive
City, State, Zip: Orlando, Fla. 32824
Telephone #: 407/859-7884
Company Contact: R. Recatto
Container Size: 55's
EPA Waste No. F002
Generating Process: paint stripping
Common Name of Waste: waste chlorinated sludge
Rate of Generation: 80 (Quant) 55 (Unit) PER mo (Time Intervals)
Volume in Storage: 80 (Quant) IN 55's (Container Size and Type)

Is Waste DOT Hazardous [X] YES [ ] NO
Proper DOT Shipping Name: haz waste solid, nos
Hazard Class: ORM-E ID No. NA 9189
Transportation Equipment: van
Placarding:

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

methylene chloride	%
1,1,1 trichloroethane	10-15 %
trichloroehylene	%
phenol urethane epoxy	%
paint and ALKYD resins	75 %
debris	10 %
	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (cr)	0	Zinc (Zn)	0
Lead (Pb)	0		0
Mercury (Hg)	0		0
Selenium (Se)	0		

INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	0		
Fluorine	0		
Bromine	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2, 4-D	0		
2,4,5-T	0		
Phenolics	0		
PCBs	0		
Dioxin	0		
TOC	0		

PHYSICAL DESCRIPTION

Physical State: [X] Liquid [ ] Semi-solid [ ] Solid
Phases/Layering: [ ] Uni-Layer [ ] Bilayer [ ] Multilayer
Viscosity: [ ] High [ ] Medium [ ] Low
Type of Solids: [ ] Organic [ ] Inorganic [ ] Mixed
Total Solids (wt. %) 75% Suspended Solids (wt. %)
BTU/lb 4000 % Ash Content < 30 % Water (by weight)
Flash Point (F) 140-200 F Type
Specific Gravity
Boiling Point, (C) Freezing Point, (C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) 7 (Range) 6 to 8
Total Alkalinity/Acidity (%)
Odor
Color brown

HAZARDOUS PROPERTIES

[ ] NONE
[ ] Water Reactive [ ] Reactive [ ] Explosive
[ ] Shock Sensitive [ ] Pyrophoric [ ] Polymerizable
[ ] Radioactive [ ] Pesticide Residuals [ ] Ignitable
[ ] Corrosive [ ] Toxic Vapor [ ] Pathogen
[ ] Biological [ ] Etiological
[ ] Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

DATE 8/1/89 GENERATOR'S SIGNATURE

DEQ052205

CS V. MSP Reasonable PRODUCED BY MSP 9/93 REQUEST #

MSD054

295

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US V. MSP Releasable
PRODUCED BY MSP 6/93
REQUEST # 1-1
BOX 1

MSD054

2961

August 2,1989

Sharon Ralph
Marine Shale Processors
110 James Drive,Suite 120
St. Rose, La. 70087

Dear Sharon,

I hereby submit the following as addendum information for document numbers 8904277-8904283:

A. Document number 8904277 should not have listed F003 as a component.

B. The flash point for document number 8904278 should have read <140°F.

C. Document numbers 8904277-8904283 should have listed GAD093380814 as the U.S. E.P.A. ID number.

If you have questions, please call.

Best Regards,

Pat Sullivan
Chemical Conservation Corp.

BJR/avh

STATE OF LOUISIANA — MAIL COPY TO ROBERT BLANKENSHIP N.C. 28139
DEPARTMENT OF ENVIRONMENTAL QUALITY PO BOX 431, RUTHERFORDTON RECYCLE / REUSE
HAZARDOUS WASTE DIVISION
P.O. BOX 44307,
BATON ROUGE, LOUISIANA 70804

MANIFEST NO. 901479

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
N C D 0 8 3 6 7 3 6 1 6			

3. Generator's Name and Mailing Address
Reeves Brothers, Inc.
P O Box 431, Rutherfordton, N.C. 28139

4. Generator's Phone (704) 286-9126

5. Transporter 1 Company Name: M & T DRUM SERVICE INC.
6. US EPA ID Number: S C D 0 9 8 1 9 3 2 2 1 4

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
MARINE SHALE PROCESSORS, INC.
HIGHWAY 90 EAST
MORGAN CITY, LOUISIANA 70380
10. US EPA ID Number: L A D 0 9 8 1 0 5 7 7 0 6

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. WASTE, TOLUENE, SOLUTION, FLAMMABLE UN 1294	0 0 0 4	3	5 1 5	P	D001
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above — RECYCLE / REUSE
EMPS APPROVAL CODE RBI-0001 #720060
COLLIER FIRE DEPARTMENT - CONTAINS TOLUENE FLAMMABLE

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

IF UNABLE TO DELIVER, RETURN TO GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
ROBERT BLANKENSHIP		0 6	2 9	9 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RICHARD N. CLARK		0 6	2 9	9 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
DEQ052207

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
Carl Leonard		06	29	90

DESIGNATED TRANSP.

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DB V. MSP PRODUCED BY MSP 9/93 Releasable

MSD054

2297

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MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 365-3310

For MSP Use Only
Approval Code RBI / RBN / 8700068

A: General Information

Company Name: Reeves Bros, INC
Address: Reece St. & RAILROAD AVE
City: Rutherfordton State: NC Zip Code: 28139
Generator Contact: Robert Blankenship
Title: ENVIRONMENTAL
Telephone No.: (704) 286 - 9126
Facility EPA I.D. No.: NCD 093673616

B: Customer Information

Company Name: Reeves Bros
Contact: GEORGE HODGE
Address: P.O. BOX 1531
Spartanburg, SC. 29304
Telephone No.: (803) 576-9210
For Customer Use:

C: Regulatory Information

☑ RCRA Regulated ☑ Land Ban ☐ Non-Regulated EPA Waste Code(s): F005

D: Chemical Composition

(NO TRADE NAMES – Ranges must not exceed 20%. Total in maximum column must be greater than or equal to 100%)

	MIN	MAX
Rubber		30%
PIGMENTS & ADDITIVES		5%
TOLUENE		60%
MEK		5%

E: General Characteristics

Color: BLACK
Odor: ☐ None ☑ Mild ☐ Strong
☐ Liquid ☑ Sludge ☐ Solid ☐ Powder
Phase: ☑ Single Layer ☐ Double Layer ☐ Multi-Layer

F: Special Characteristics

Is the waste:

Radioactive?	Y	(N)	Polymerizable?	Y	(N)
Infectious?	Y	(N)	Pyrophoric?	Y	(N)
Water Reactive?	Y	(N)	Explosive?	Y	(N)

G: Physical/Chemical Properties

Ash (list actual Wt %): ≈ 1%
BTU's per lb (list actual value): > 10,000
Water (Wt %): ☑ <1 ☐ 5-10 ☐ 1-5 ☐ if > 10 — list actual:
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☑ 1.0-1.2 ☐ >1.7 — list actual:
Viscosity (for bulk liquids only): list actual in centipoise: ____ cp
Total Suspended Solids (Wt % for bulk liquids only): ☐ 5-20 ☐ if > 20 — list actual: 5%
pH: ☐ 7-8 ☑ 8-10 ☐ 10-12.5 ☐ if < 2 or > 12.5 — list actual:

Flash Point (closed cup): ☑ < 100°F ☐ 100°-140°F ☐ 140°-200°F ☐ > 200°F ☐ ____ °F actual
Sulfur (Wt %): ☑ < 5 ☐ if > 5 list actual value:

Halogens (Wt %): ☐ Iodine ☐ Bromine ☑ Chlorine ☐ Fluorine — actual: ____ Wt %

	<1	1-5	5-10	> 10 list actual Wt %
☐ Iodine	☐	☐	☐	
☐ Bromine	☐	☐	☐	
☑ Chlorine	☐	☑	☐	
☐ Fluorine	☐	☐	☐	

Metals & Toxicity Test (MG/L)

Arsenic (As)	0	Selenium (Se)	0
Barium (Ba)	0	Silver (Ag)	0
Cadmium (Cd)	0	Copper (Cu)	0
Chromium (Cr)	0	Nickel (Ni)	0
Lead (Pb)	4	Zinc (Zn)	0
Mercury (Hg)	0		

Organics (ppm):

Endrin	0
Lindane	0
Methoxychlor	0
Toxaphene	0
2,4-D	0
2,4,5-TP (Silvex)	0

If material contains the following compounds, indicate actual ppm:

PCB	0
Cyanides	0
Sulfides	0
Dioxin	0

MED052208

MSD054

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US v. MSP
PRODUCED BY MSP 9/93
Releasable
REQUEST #
BOX #

MSD054

H. Notes, Additional Information or Special Handling Instructions

I. Required Protective Equipment and Procedures

Please attach all materials safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments

J. Shipping Information

DOT Hazardous Material ⊗ N

Proper Shipping Name WASTE FLAMMABLE ~~LIQ~~ SOLID DOT I.D. No. (circle one) UN/NA 1325

Hazard Class Flammable RQ

Anticipated Volume 100 (Drums) Gal Yds Lbs ☐ Bulk ☐ Roll

Container Size 55 GAL Container Type Steel

Per ☐ One time ☐ Week ☐ Month ☐ Year (☐ Other) QUARTER

Certification

I hereby certify that the above attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exist, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this Materials Characterization Data Sheet.

1. Robert Blankenship — Generator's Signature

2. Robert Blankenship — Name (Type or Print)

3. 12-26-89 — Date

4. Environmental — Title

Recertification Requirement

This Materials Characterization Data Sheet must be recertified (i.e. updated) twelve months from the date signed and thereafter recertified on an annual basis. In addition, if the characteristics of the material change or if the generating process changes, a new MCDS must be submitted for approval prior to shipment.

DE0052209

MSP Form 1040 II Rev. 10/89

2999

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DEC 26 1989

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

Date printed: 12/18/89 Rep.ID: RJJ RBI /RBN /0700068/ /

Instructions: A copy of the M.C.D.S. to be recertified is attached to this Recertification Form. We ask that you complete the remainder of this form and have it signed by an authorized technical contact. Please return a copy of the M.C.D.S. being recertified with this form.

Return this form with any attachments to: MARINE SHALE PROCESSORS, INC.
110 James Dr. West. Suite 120
St. Rose, LA 70087
Attention: Technical Review

A. GENERAL INFORMATION

Generator Name: REEVES BROTHERS INC Telephone: (803) 476-9210 x.5950

Facility Address: REECE STREET & RAILROAD AVE USEPA ID: NCD003673516

RUTHERFORDTON, NC 28139-0000

Name of Waste: RUBBER COATING COMPOUND Generating Process:

Technical Contact: MR. MIKE BIEGERTOFF Title:

B. CHANGES OR ADDITIONS SINCE LAST M.C.D.S. PREPARATION

1.	Have you obtained any laboratory analysis of this waste? *(If yes, attach results)*	☐ yes	☒ no
2.	Have you changed the raw materials used in the waste generating process?	☐ yes	☒ no
3.	Have you changed the waste generating process itself?	☐ yes	☒ no
4.	Are you aware of any facts or circumstances which have, or reasonably could have, altered the physical or hazardous characteristics, or chemical composition of the waste?	☐ yes	☒ no
5.	Are you aware of any human health effects of exposure to the waste not previously described?	☐ yes	☒ no

6. If you answered "yes" to questions, 2, 3, 4, or 5 please provide details below:

OK 1/8/90

IF THERE HAVE BEEN ANY SUBSTANTIAL CHANGES, A NEW M.C.D.S. MUST BE SUBMITTED

SHIPPING INFORMATION

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☐ Drum (type/size) _____

Anticipated Volume: _____ Gals. _____ Cubic Yds. _____ Other _____

Per: ☐ One Time ☐ Week ☐ Month ☒ Quarter ☐ Year

RECERTIFICATION

I am an employee of the generator authorized to sign this Recertification. The information provided in the recertification of M.C.D.S. attached hereto, and the information supplied above, are complete, true and correct.

Name: Robert B. Blankenship Signature: Robert B. Blankenship

Title: Environmental Tech Date: 12-20-89

MSP Form 1040-R (November 89) DEQ052210

DS V. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # 1-1-1-1 Box 5 MSD054

MSD054

2300

8700068 JL 18

MARINE SHALE PROCESSORS, INC. RBI/RBN/8700068

MATERIALS CHARACTERIZATION DATA SHEET

MARKETING (504) 767-0984
PLANT (504) 631-3626

MSP CODE: RBI-0001

Generator Name: REEVES BROS INC.
Facility Address: RAILROAD ST US64 + 74 P.O. BOX 431
City, State, Zip: RUTHERFORDTON, N.C. 28139
Technical Contact: GEORGE R. HODGE
Title: ENVIORNMENTAL MANAGER
Telephone No. (803) 576-9210 (Ext: 385)
Facility EPA ID #: NCDO 836 736 16

SUBMITTED BY: GEORGE R. HODGE REEVES BROS INC (Customer)
Container Size: Qt.
EPA Waste No.: F005
REASON: EVALUATE FOR DISPOSAL
Common Name of Waste: RUBBER COATING COMPOUND
Rate of Generation: 100 (Quan) DRUMS (Units) PER QUARTER (Time Interval)
Volume in Storage: 80 (Quan) IN DRUMS (Container)
Is Waste DOT Hazardous: (✓) YES ( ) NO
Proper DOT Shipping Name: WASTE TOLUENE
Hazard Class: 5. ID No.: F005
Transportation Equipment: TRUCK
Placarding:
Generating Process: COATED FABRICS

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

	%
RUBBER	30
PIGMENTS + ADDITIVES	5
TOLUENE	60
MEK	5
pigments carbon black phthalo green titanium oxide	per George Hodges

99

METALS (EP-Toxicity Test, mg/l)

Arsenic (As):	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	TRACE < 1 ppm
Lead (Pb)	TRACE < 1 ppm		
Mercury (Hg)	0	per George Hodges	
Selenium (Se)	0		

ESTIMATES

INORGANICS (mg/l or ppm)

Total CN	0	Bromine	0
Free CN	0	Iodine	0
Sulfide	UNKNOWN	Asbestos	0
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	TRACE		
Fluorine	0		
Chlorine	0		
Chloride	TRACE		

ESTIMATES

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2, 4-D	0		
2, 4, 5-T	0		
Phenol(ics)	0		
PCB	0		
TOC	0		
BOD	0		
COD	0		

DER052211

PHYSICAL DESCRIPTION

Physical State: ( ) Liquid (✓) Semi-solid ( ) Solid
Phases/Layering: (✓) None ( ) Bilayered ( ) Multilayered
Viscosity: (✓) High ( ) Medium ( ) Low
Type of Solid: (✓) Organic (✓) Inorganic (✓) Mixed
Total Solids: (wt %) 35 Suspended Solids: (wt %) ALL
BTU/lb HIGH % Ash Content LOW
Flash Point (°F) 78 - 100 Type
Specific Gravity ~1.2
Boiling Point (°C) UNK Freezing Point (°C) UNK
Vapor Pressure (mm Hg @ 25°C) UNK
pH (Avg) NA (Range) to
Total Alkalinity/Acidity (%) NO
Odor AROMATIC
Color BLACK / GRAY

HAZARDOUS PROPERTIES

( ) NONE

(✓) Ignitable	( ) Corrodes Steel	( ) Toxic Vapor
( ) Reactive	( ) Pyrophoric	( ) Shock Sensitive
( ) Explosive	( ) Water Reactive	( ) Radioactive
( ) Biological	( ) Pathogen	( ) Etiological

( ) Pesticide Residuals
( ) Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:
DO NOT APPLY HEAT
AVOID SPARKS, FLAMES ETC

RECEIVED MAY 4 1987

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORT, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

CERTIFICATION: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all the materials subject to the contract.

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USV MSP Releasable PRODUCED BY MSP 9/93 REQUEST # 1700

MSD054

230

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8700 68

JL

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

MARKETING (504) 767-0984
PLANT (504) 631-3626

MSP CODE: RBI-0001.

Generator Name: REEVES BROS INC.
Facility Address: RAILROAD ST
US 64 + 74
P.O. BOX 431
City, State, Zip: RUTHERFORDTON, N.C. 28139
Technical Contact: GEORGE R. HODGE
Title: ENVIORNMENTAL MANAGER
Telephone NO. (803) 576-9210 EXT: 585
Facility EPA ID #: NCDO 836 736 16

SUBMITTED BY: George R. Hodge REEVES BROS INC (Customer)
Container Size: Qt.
EPA Waste No. F005
REASON: EVALUATE FOR DISPOSAL
Common Name of Waste: RUBBER COATING COMPOUND
Rate of Generation: 100 (Quan) DRUMS (Units) PER QUARTER (Time Interval)
Volume in Storage: 80 (Quan) (Units) IN DRUMS (Container)
Is Waste DOT Hazardous: (✓) YES ( ) NO
Proper DOT Shipping Name: WASTE TOLUENE
Hazard Class: 3. ID No. F005 1294
Transportation Equipment: TRUCK
Placarding: approved per George Hodges 9-27-87
Generating Process: COATED FABRICS

CHEMICAL COMPOSITION
(Totals must add up to 100 %)

	%
RUBBER	30
PIGMENTS + Additives	5
TOLUENE	60
MEK	5
pigments carbon black, thalow green, titanium oxide	per George Hodges

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Barium (Ba)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	TRACE <1ppm
Lead (Pb)	TRACE <1ppm		
Mercury (Hg)	0	per George Hodges	
Selenium (Se)	0		

ESTIMATES

INORGANICS (mg/l or ppm)

Total CN	0	Bromine	0
Free CN	0	Iodine	0
Sulfide	UNKNOWN	Asbestos	0
Bisulfite	0		
Sulfite	0		
Sulfate	0		
Phosphate	TRACE		
Fluorine	0		
Chlorine	0		
Chloride	TRACE		

ESTIMATES

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxychlor	0	Mercaptans	0
Toxaphene	0		
2, 4-D	0		
2, 4, 5-T	0		
Phenol (Tcs)	0		
PCB	0		
TOC	0		
BOD	0		
COD	0		

DEM0522212

PHYSICAL DESCRIPTION

Physical State: ( ) Liquid (✓) Semi-solid ( ) Solid
Phases/Layering: (✓) None ( ) Bilayered ( ) Multilayered
Viscosity: (✓) High ( ) Medium ( ) Low
Type of Solids: (✓) Organic (✓) Inorganic SMALL ( ) Mixed
Total Solids: (wt %) 35 Suspended Solids: (wt %) ALL
BTU/lb HIGH % Ash Content LOW
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Total Alkalinity/Acidity (%) NO
Odor AROMATIC
Color BLACK / GRAY

HAZARDOUS PROPERTIES

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( ) Reactive	( ) Pyrophoric	( ) Shock Sensitive
( ) Explosive	( ) Water Reactive	( ) Radioactive
( ) Biological	( ) Pathogen	( ) Etiological

( ) Pesticide Residuals
( ) Other

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AVOID SPARKS, FLAMES ETC

RECEIVED MAY 4 1987

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGISTIC SKETCHES, ANALYSIS REPORT, HANDLING PRECAUTIONS, ADDITIONAL HAZARD SUPPORT INFORMATION, DATA & COMMENTS.

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DATE: 5/1/87

U.S. V. MSP PRODUCED BY MSP 9/93 Releasable REQUEST # 1-1600
MSD054
2302

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PRODUCED BY MSP 9/93
Releasable
BOX # 5
REQUEST # MSD054
Mayfield, Miss.

MSD054

2003

Marine Shale Processors, Inc.

INTEROFFICE MEMO

TO: Jeff Leitch SUBJECT: RBI-0001

FROM: Barbara DATE: 12-8-87

Data Sheet from Reeves Brothers needs revision - DOT ID Number should be UN1294, per George Hodge. He did not follow up with the revision according to our files. Please check your files and contact him if you didn't receive a letter. Maybe you will be successful in getting it corrected -

25 Hazard class needs revision -

Thanks!
Barbara

DEQ052213