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US V. MSP Releaseable
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BOX # REQUEST #
100-442111-1000
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MSD054

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DE V. 6 MAP Releasable
 PRODUCED BY MSP 9/73
 REQUEST
 BOX 1142484, West
 Madison, Illinois
 60501-4248

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DECEMBER 1966

4 of 8

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

RECYCLE / REUSE

MANIFEST NO. 016213

Form Approved OMB No. 2050-0000 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. LA D 918121021513MM10106611		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address CAMMA 333 So Turnbull Cyn Rd Industry CA 91744		4. Generator's Phone (818) 330-3161		5. Transporter 1 Company Name Odyssey Trans	
6. US EPA ID Number LA D 101812111010119		7. Transporter 2 Company Name		8. US EPA ID Number	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 80 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA D 918121021513MM10106611		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE FLAMMABLE SOLID, n.o.s. FLAMMABLE SOLID UN1325	
12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
0105 DM		2102175		G	
				R	
				R	
				R	
				R	
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE EREC/CARR/9002A84		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.					
Printed/Typed Name TERRY P. HAY		Signature Terry P. Hay		Month Day Year 11/1/88	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name John D. Carter		Signature John D. Carter	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Discrepancy Indication Space		Month Day Year			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name GIRIA BASSANT			
Signature GIRIA BASSANT		Month Day Year 11/1/88			

LPA Form 3700-22 (Rev. 9/88)

WHITE - DEQ GREEN - Generator YELLOW - TSDRF BLUE - Transporter 2 PINK - Transporter 1 GOLD - Generator

INFORMATION 11/88

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US V. MAP
PRODUCED BY MAP 9/93
REQUESTED BY
California Hazardous Waste
Management Agency
11/1/88

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REQUEST 9/93
DATE 10/15/93
BY 10/15/93
FILE 10/15/93

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JUN 12 1990

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 9002984

EREC/CAVR/9002984

A. General Information

Company Name Calmar
Address 333 So Turnbull Cyn Rd
City Industry State CA Zip Code 91749
Generator Contact Jim Jones
Title Mgr
Telephone No. (818) 330-3161
Facility EPA ID No. CAD982025744

B. Customer Information

Company Name Enviro Serv
Contact Fred Pell
Address P.O. Box 3396
Sequoyeda CA 91393
Telephone No. (818) 891-1456
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated

EPA Waste Code(s) 10001

D. Chemical Composition

PRO TRADE NAMES - Samples must not exceed 20% Total in maximum column must be greater than or equal to 100%

	MIN	MAX
<u>Paint Fillers</u>	<u>90%</u>	<u>95%</u>
<u>Paint & Paint Thinners</u>	<u>15%</u>	<u>10%</u>
<u>No Metal Pigments</u>		

Common name of waste:

E. General Characteristics

Color VARIED
Odor ☐ None ☐ Mild ☐ Strong
☐ Liquid ☐ Sludge ☐ Solid ☐ Powder
Phase ☐ Single Layer ☐ Double Layer ☐ Multi-Layer

F. Specific Characteristics

Is the waste:
Radioactive Y ☒ Polymerizable Y ☒
Infectious Y ☒ Pyrophoric Y ☒
Water Reactive Y ☒ Explosive Y ☒

G. Physical/Chemical Properties

Ash (lit actual Wt %) 10% Water (Wt %) ☐ <1 ☐ 5-10
BTU's per lb (lit actual value) 10500 ☐ 1-5 ☐ >10
Specific Gravity ☐ <0.8 ☐ 1.2-1.4
☐ 0.8-1.0 ☐ 1.4-1.7
☐ 1.8-1.2 ☐ >1.7
Viscosity (for bulk liquids only) _____
Lit actual in centipoise _____
CP _____
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20
☐ >20
Lit actual _____
pH ☐ 2-4 ☐ 6-10
☐ 10-12.5
☐ <2 or >12.5
Lit actual _____

Flash Point (closed cup)

☐ <100°F ☐ >200°F
☒ 100°-140°F ☐ _____°F
☐ 140°-200°F actual

Sulfur (Wt %)

☐ <5
☒ >5 lit actual value _____

Halogens (Wt %) <1

☐ Iodine ☐ 1-5 ☐ 5-10 ☐ >10 lit actual Wt %
☐ Bromine ☐ ☐ ☐
☐ Chlorine ☐ ☐ ☐
☐ Fluorine actual Wt %

Metals EP Toxicity Test (MDL)

Arsenic (As) nil
Barium (Ba) nil
Cadmium (Cd) nil
Chromium (Cr) nil
Lead (Pb) nil
Mercury (Hg) nil

nil none suspected

Selenium (Se) nil
Silver (Ag) nil
Copper (Cu) nil
Nickel (Ni) nil
Zinc (Zn) nil

Organics (ppm)

Endrin nil
Lindane nil
Methoxychlor nil
Toxaphene nil
2,4-D nil
2,4,5-TP (52%a) nil
If material contains the following compounds indicate actual ppm
PCB nil
Cyanides nil
Sulfides nil
Dioxin nil

DEMOS 51398

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REQUESTED BY
NOX 5
Hazardous Waste
Material Characterization Data Sheet

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 information, data and comments

Gloves & goggles

Generating process:

J. Shipping Information

DOT Hazardous Material ☒ N

Proper Shipping Name

WASTE Flammable Solid

DOT ID. No. (circle one) UNNA

1325

Hazard Class

Flammable Solid

EQ

Anticipated Volume

(Drum) 3

Gal

Yds

Lbs

☐ Bulk

☐ Roll

Container Size

55 gallon

Container Type

Steel

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. Jim Jack

Generator's Signature

2. Jim Jack

Name (Type or Print)

3. 6/11/96

Date

4. PROD 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.

DEQ051399

MANIFEST 010356

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

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

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U.S. V. M.B.P. RELEASED

maintain the good old west
manfred, David and Fritz

MSDO54

1971

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST 1
Citation: Hazardous Waste
Procedures Manual, 4th ed.

MSD054

DEQ051401

1433

RECEIVED MAY 11 1990		MSP Approval Code
MATERIAL CHARACTERIZATION DATA SHEET		
Date printed: 5/02/90	Rep. ID: KCB	REC/CLV /0903037/ 1
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: <u>CALAVAR</u>	Telephone: <u>(213) 946-6561 x.0000</u>	
Facility Address: <u>9200 SORENSEN</u>	USEPA ID: <u>CAD009580887</u>	
<u>SANTA FE SPRINGS, CA 90670-0000</u>		
Name of Waste: <u>WASTE PAINT</u>	Generating Process: _____	
Technical Contact: <u>MR. FRANK PRECIADO</u>	Title: <u>WASTE MANAGER</u>	
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) _____		
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: <u>FRANK PRECIADO</u>	Signature: <u>FRANK PRECIADO</u>	
Title: <u>MLR</u>	Date: <u>5-9-90</u>	

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REPRODUCTION

MSD054

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8903037
MCDS Document #

JUN 02 1989

MATERIALS CHARACTERIZATION DATA SHEET
MARINE SHALE PROCESSORS, INC.
P.O. BOX 1698 • KENNER, LA 70063
SALES (504) 465-3310

MSP CODE:

Generator Name CALVAR
Facility Address 9200 SORESEN AVE
City, State, Zip SANTA FE SPRING, CA 90630
Technical Contact FRANK PRECIEDO
Title FACILITIES MANAGER
Telephone NO. (213) 946-6561 EXT:
Facility EPA ID # CAD009530892

Bill To: ENVIRONMENTAL RECOVERY SERVICE
Address: P.O. Box 2326
City, State, Zip: SEPULVEDA, CA 91393
Telephone #: (818) 891-1493
Company Contact: FRED PELL
Container Size: 55 gallon drums
EPA Waste No. D001
Generating Process COATING FOR PARTS
Common Name of Waste WASTE PAINT
Rate of Generation 6 drums PER month
(Range) (Range) (Time Interval)
Volume in Storage 20 drums IN steel
(Range) (Range) (Container Size and)
Is Waste DOT Hazardous YES 1100
Proper DOT Shipping Name WASTE FLAMMABLE
Hazard Class FLSH ID No. UN 1325
Transportation Equipment TRUCK
Placarding FLAMMABLE

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

WASTE PAINT	100	%
		%
		%
		%
		%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

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	☐ Sol
Phases/Layering	☐ Uni-Layer	☐ Bilayer	☒ M
Viscosity	☒ High	☐ Medium	☐ Low
Type of Solids	☒ Organic	☐ Inorganic	☐ Mi
Total Solids (wt. %)	Suspended Solids (wt. %)		
BTU/B 13000	% Ash Content	2	% Water (by weight)
Flash Point (°F)	<100°	Type	
Specific Gravity			
Boiling Point, (°C)	Freezing Point, (°C)		
Vapor Pressure (mm Hg @ 24°C)			
pH (Avg) Org NIS	(Range)	to	
Total Alkalinity/Acidity (%)			
Odor	MILD		
Color	VARIED		

HAZARDOUS PROPERTIES

☐ Water Reactive	☐ Reactive	☐ Explos
☐ Shock Sensitive	☐ Pyrophoric	☐ Polym
☐ Radioactive	☐ Pesticide Residuals	☒ Ignit
☐ Corrosive	☐ Toxic Vapor	☐ Patho
☐ Biological	☐ Etiological	
☐ Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

RESPIRATOR, GLOVES & GOGGLES

PLEASE ATTACH ALL MATERIAL SAFETY DATA SHEETS, LOGS, SKETCHES, ANALYSIS REPORTS, HANDLING PRECAUTIONAL HAZARD SUPPORT INFORMATION, DATA & C

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

DATE 5-30-89

GENERATOR'S SIGNATURE:

Frank Preciedo

DE051402

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RELEASABLE
REQUEST 1/15/95
CIVILIAN INFORMATION
MATERIAL HANDLING

MSD054

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DEQ051403

8903037
MCDs Document #
JUN 02 1989
MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET
P.O. BOX 1090, KENNER, LA 70065
SALES (504) 463-3310
EREC/CLV/8903037
MSP CODE: 55

Generator Name: CALAVAR
Facility Address: 9200 SORESEN AVE
City, State, Zip: SANTA FE SPRINGS, CA 90670
Technical Contact: FRANK PRECADO
Title: FACILITIES MANAGER
Telephone NO.: (213) 946-6561 EXT:
Facility EPA ID #: CAD009580893

Address: P.O. Box 2376
City, State, Zip: SEPULVEDA, CA 91393
Telephone #: (818) 891-1495
Company Contact: FRED PELL
Container Size: 55 gallon drums
EPA Waste No.: D001
Generating Process: COMPING FOR PARTS
Common Name of Waste: WASTE PAINT
Rate of Generation: 6 drums PER month
Volume in Storage: 20 drums IN steel
Is Waste DOT Hazardous: YES
Proper DOT Shipping Name: WASTE FLAMMABLE SOLID, NOS
Hazard Class: FL500 ID No.: UN 1325
Transportation Equipment: TRUCK
Hazarding: FLAMMABLE

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

WASTE PAINT	100	%
		%
		%
		%
		%

METALS (EP Toxicity Test, mg/l) NIS none suspected

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

INORGANICS (mg/l or ppm)

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	1 Liquid	2 Semi-solid	3 Solid
Mass/Layering	1 Uni-Layer	2 Bilayer	3 Multilayer
Viscosity	1 High	2 Medium	3 Low
Type of Solids	1 Organic	2 Inorganic	3 Mixed
Total Solids (wt. %)	Suspended Solids (wt. %)		
BTU/lb 13000	% Ash Content 2	% Water (by weight)	
Flash Point (°F) <100°	Type		
Specific Gravity		Freezing Point (°C)	
Boiling Point (°C)			
Vapor Pressure (mm Hg @ 24°C)			
pH (Avg) Org NIS	(Range)		
Total Alkalinity/Acidity (%)			
Color	MILD		
Color	VARIED		

HAZARDOUS PROPERTIES

1 Water Reactive	2 Reactive	3 NONE
1 Shock Sensitive	2 Pyrophoric	3 Explosive
1 Radioactive	2 Pesticide Residuals	3 Ignitable
1 Corrosive	2 Toxic Vapor	3 Pathogen
1 Biological	2 Etiological	
1 Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

RESPIRATOR, 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.

DATE 5-30-89 GENERATOR'S SIGNATURE: Frank Precado

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DOX # 5-11-88
REQUEST # 11-88
CALAVAR CORPORATION
MANUFACTURING ENGINEER

MSD054

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JUN 16 1989



June 15, 1989

M.S.G.
110 James Dr. West #120
St. Rose, LA 70087
ATT: K.G.

In reference to the acceptance profile to your facility
#890-3037. There is to the best of our knowledge no silver paint
or other heavy metal containing paint in our waste stream.

If there are any other questions, please don't hesitate to con-
tact me.

Sincerely,

CALAVAR CORPORATION

Frank Preclado
Manufacturing Engineer

FP:cdh

cc:Files

DEQ051404

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

RECYCLE / REUSE

MANIFEST NO 016204

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. LA019182101312101311		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 Montebello Unifred School Dist 500 No Hendricks St Montebello CA		4. Generator's Phone (213) 920-5446		5. Transporter 1 Company Name Odyssey Trans		6. US EPA ID Number LA019182101312101311		7. Transporter 2 Company Name	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA019182101312101311		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste Flammable Solid, n.o.s. FLAMMABLE SOLID UN1325		12. Containers No. Type 01011 DM		13. Total Quantity 010055	
								14. Unit G	
								15. Waste No. 0001	
								R	
								R	
								R	
								R	
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE EREC / MUSD / 8904498		K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information Gloves & baggies									
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 Yauwacato		Signature Donald Yauwacato		Month Day Year 10/6/1998					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name John D. Carter		Signature John D. Carter		Month Day Year 10/6/1998					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year					
19. Discrepancy Indication Space DEQ051405									
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 Gina Bennett		Month Day Year 10/6/1998							

EPA Form 3012-22 (Rev. 9/88)

WHITE - DEQ. GREEN - Generator YELLOW - TSDRF BLUE - Transporter 2 PINK - Transporter 1 GOLD - Generator

INTERNATIONAL SYMBOL

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US V. MAP
PRODUCED BY MAP 9/93
REQUEST
NOV 1998
1437 F

MSD054

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U.S. V. MAP RELEASED
PRODUCED BY MAP 9/93
REQUESTED BY
Caldwell Hazardous Waste
Management, Inc. 101 Apt. 200
MSD054

MSD054

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AUG 15 1989

ALABAMA SPECIAL SERVICES, INC.
MATERIALS CHARACTERIZATION DATA SHEET
P.O. BOX 1508 KENNEDY 70063
SALES (504) 451-1000

8904498
MCDS Document #

EREC/MUSD/8904498
MSP CODE:

Generator Name Montebello H/F Sea Dist
Facility Address 500 No Hendersons
City, State, Zip Montebello CA 90640
Technical Contact Keith Porter
Title Shop Foreman
Telephone NO. (213) 320-5446 EXT:
Facility EPA ID # CA0982052037

Bill To: Environmental Recovery Serv
Address: P.O. Box 2376
City, State, Zip: San Jose CA 95133
Telephone #: (415) 891-1495
Company Contact: FRED PELL
Container Size: 55 Gallon
EPA Waste No.: D001
Generating Process: Coating For Walls
Common Name of Waste: Waste Paint
Rate of Generation: 3 drums PER day
Volume in Storage: 3 drums IN Steel

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

PAINT & PAINT Pigments	50%
LACQUER Thinner	20%
PAINT Thinner	30%

No SWASH PAINT nls none suspected

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

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

ORGANICS (mg/l or ppm)

Endrin	nls	Organohalide	nls
Methoxychlor	nls	Mercaptans	nls
Imazophene	nls		
2,4-D	nls		
2,4,5-T	nls		
Phenolics	nls		
PCBs	nls		
Dioxin	nls		
TOC	nls		

Is Waste DOT Hazardous ☒ YES ☐ NO
Proper DOT Shipping Name Waste Flammable Solid, NOS
Hazard Class FL 3 ID No UN 1325
Transportation Equipment TRUCK
Packaging Flammable

PHYSICAL DESCRIPTION

Physical State ☐ Liquid ☒ Solid ☐ Semi-solid ☐ Solid
Phase/Layering ☐ Uni-Layer ☐ Bi-Layer ☒ Multi-Layer
Viscosity ☐ High ☒ Medium ☐ Low
Type of Solids ☒ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) 1360 % Ash Content 2 % Water (by weight)
Flash Point (°F) 100° Type
Specific Gravity Freezing Point (°C)
Boiling Point (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) Acidic (Range) to
Total Alkalinity/Acidity (%)
Odor MILD
Color VARIABLE

HAZARDOUS PROPERTIES

☐ Water Reactive	☐ Reactive	☐ NONE
☐ Shock Sensitive	☐ Pyrophoric	☐ Explosive
☐ Radioactive	☐ Persistent Residuals	☒ Ignitable
☐ Corrosive	☐ Toxic Vapor	☐ Pathogen
☐ Biological	☐ Ecological	
☐ Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

Respirator, 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.

DATE 8/15/89 CERTIFICATION SIGNATURE: [Signature]

DER051406

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

RECYCLE / REUSE

MANIFEST N^o 914198

Please print or type. (Form designed for use on 8 1/2 x 11 inch typewriter.)

Form Approved OMB No. 2050-0038, 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.
3. Generator's Name and Mailing Address CORONA NORCO School Dist 300 BUENA VISTA Street CORONA LA 91720		4. Generator's Phone (914) 736-3316	5. US EPA ID Number LA10107161041518141010101	6. State (Generator's ID) LA	A. State Manifest Document Number 010107161041518141010101
5. Transporter 1 Company Name Disposal Corp Service		6. US EPA ID Number LA17108101013141181	7. Transporter 2 Company Name	8. US EPA ID Number	C. State (Transporter's ID) LA
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA098101015177016	D. State (Facility's ID) LA		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. WASTE Flammable Liquid NOS b. Flammable Liquid UN1993 (D001)		12. Containers No. Type 0101 2M 0101 1106	13. Total Quantity /	14. Unit Wt/Vol G	15. Waste No. D001
J. Additional Descriptions for Materials Listed Above 11AB0255 Containing paint related material Mobile H DCS/COHS 189-0610		K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information WEAR proper 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 Volanda Penn		Signature [Signature]		Month Day Year 11/6/11/11	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Robert Gonzalez/Den		Signature Robert Gonzalez		Month Day Year 11/12/11	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space DEQ051407					
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 BRASSETT					
Signature [Signature]		Month Day Year 11/12/11			

15A Form 8700-22 (Rev. 9/88)

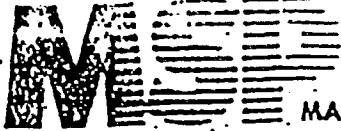
WHITE - NO GREEN - GREEN - YELLOW - TEEDE BLUE - TRANSPARENT PINK - TRANSPARENT GOLD - TRANSPARENT SILVER

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US V. MAP
PRODUCED BY MAP 9/92
REQUEST 9/92
14399 F

MSD054

14399 F



MATERIALS CHARACTERIZATION DATA SHEET

APR 16 1990

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

FAX: (504) 631-2935

ATTN: BARBARA

For MSP Use Only

Approval Code

DCS/CNSH/8906210

A: General Information

Company Name: Corona-Norco School District
Address: 3000 Buena Vista
City: Corona State: CA Zip Code: 91720
Generator Contact: TONY VILCA
Title: M & O SUPERVISOR
Telephone No.: (714) 736-3316
Facility EPA ID No.: CA-D076045848

B: Customer Information

Company Name: DISPOSAL CONTROL-SUC
Contact: Shelly Russell
Address: UPRINO, TX 71786
Telephone No.: (714) 983-0842
For Customer Use

C: Regulatory Information

RCRA Regulated

☐ Land Ban☐ Non-Regulated

EPA Waste Code(s)

D001

D: Chemical Composition

MSD TRADE NAMES - Report must not exceed 20%. Total in maximum column must be greater than or equal to 100%.

	MIN	MAX
PETROLEUM DISTILLATES		20.20
METAL ALKYL METHANOLS		2.52
PETROLEUM SPIRITS		2.20
ALKYL BENZENE		20.20
PARAFFINS & NAPHTHENE		45.20
PAINT SLAG		

Common name of waste: PAINT / THINNER

E: General Characteristics

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

F: Specific Characteristics

Is the waste:
Radioactive? Y ☒ N
Infectious? Y ☒ N
Water Reactive? Y ☒ N
Polymerizable? Y ☒ N
Pyrophoric? Y ☒ N
Explosive? Y ☒ N

G: Physical/Chemical Properties

Ash (Not actual Wt %): _____ Water (Wt %): ☐ <1 ☐ 5-10 ☐ >10
BTU's per lb (Not actual value): 16,300
Specific Gravity: ☐ <0.8 ☐ 0.8-1.0 ☐ 1.0-1.2 ☐ >1.2
Viscosity (for bulk liquids only): _____
List actual in centipoise: _____
Total Suspended Solids (Wt % for bulk liquids only): ☐ <5 ☐ 5-20 ☐ >20
pH: ☐ 2-6 ☒ 6-10 ☐ 10-12.5 ☐ <2 or >12.5

Flash Point (closed cup)

☒ <100°F ☐ >200°F
☐ 100°-140°F ☐ <70°F
☐ 140°-200°F actual

Sulfur (Wt %)

☐ <5
☒ >5 list actual value

Halogens (Wt %)

☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine
actual Wt %

Metals EP Toxicity Test (MQL)

Arsenic (As) N/S
Barium (Ba) N/S
Cadmium (Cd) N/S
Chromium (Cr) N/S
Lead (Pb) N/S
Mercury (Hg) N/S

Selenium (Se)

N/S
Silver (Ag) N/S
Copper (Cu) N/S
Nickel (Ni) N/S
Zinc (Zn) 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
Disinfectants N/S

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DO NOT REPRODUCE OR TRANSMIT WITHOUT WRITTEN PERMISSION OF THE NATIONAL ARCHIVES

MSD054

1440

DER051408

03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

MSDO54

16917

J. Shipping Information

Generating process: PAINTING

Certification

Title

- 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.

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

RECYCLE / REUSE
MANIFEST 011686

Please print or type. (Form designed for use on 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 D 0 0 9 0 1 5 3 8 9 0 3 0 0 1	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 ROMIC CHEMICAL CORPORATION SOUTHWEST 6760 W ALLISON RD CHANDLER AZ 85226		4. Generator's Phone (602) 961-1040		A. State Manifest Document Number	
5. Transporter 1 Company Name RANGER TRANSPORTATION		6. US EPA ID Number F L D 9 8 0 8 0 3 3 7 7		B. State Generator's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		C. State Transporter's ID	
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		D. Transporter's Phone: 1-800-726-4370	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. WASTE FLAMMABLE SOLID, N.O.S., FLAMMABLE SOLID (EPA D001) UN1325		12. Containers No. Type 0 5 6 D R 3 P P P P P		13. Total Quantity 14. Unit Wt/Vol 15. Waste No. R D001	
16. Additional Descriptions for Materials Listed Above a. MSP SSO/SSO 9002733		17. RECYCLE / REUSE		K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WEAR CHEMICAL HANDLING ATTIRE - GLOVES, APRON, GOGGLES, PROPER RESPIRATOR. IN CASE OF SPILL, DO NOT FLUSH WITH WATER, CONTAIN & PICK UP FOR PROPER DISPOSAL AT AN EPA AUTHORIZED FACILITY. 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 STICK MECHANICAL		Signature [Signature]		Month Day Year 10 6 3 2 9 0	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID DYKE		Signature [Signature]		Month Day Year 10 6 2 2 9 0	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space DEQ051410					
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 LABLANC					
Signature [Signature]		Month Day Year 10 6 2 2 9 0			

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US V. MSP
PRODUCED BY MSP 9/93
RECEIVED BY MSP 9/93
Catalina Hazardous Waste
Product Data Sheet

MSD054

1992



MAY 18 1990

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

SSO/SSO/9002733

Approval Code

9002733

(A) Generator Information

Generator Name ROMIC CHEMICAL CORP. SOUTHWEST
Site Address 6760 W. ALLISON ROAD
City CHANDLER State AZ Zip Code 85226
Generator Contact JACK MCCLARY
Title GENERAL MANAGER
Telephone No (602) 961-1040
Facility EPA ID No. AZD 009015389

(B) Customer Information

Company Name ROMIC CHEMICAL CORP. SOUTHWEST
Contact JACK MCCLARY
Address 6760 W. ALLISON ROAD
CHANDLER, ARIZONA 85226
Telephone No. (602) 961-1040
For Customer Use

(C) Regulatory Information

XX RCRA Regulated

II Land Ban

II Non-Regulated

EPA Waste Code(s) D001

(D) Component Information

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

	MIN	MAX
LACQUER THINNER	10	28
RESINS	0	10
PAINT	5	15
FLOOR DRY (ABSORBANTS)	20	37
OIL	0	10

Common Name of Waste: STILL BOTTOMS

(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
Infectious? Y ☒ N
Water Reactive? Y ☒ N
Polymerizable? Y ☒ N
Pyrophoric? Y ☒ N
Explosive? Y ☒ N

(G) Physical/Chemical Data

Ash (Est actual Wt %) 18
Water (Wt %) ☐ <1 ☐ 5-10
BTU's per lb ☐ 1-5 ☐ >10
(Est actual value) 10,000
Specific Gravity ☐ <0.8 ☐ 1.2-1.4
☐ 0.8-1.0 ☐ 1.4-1.7
☐ 1.0-1.2 ☐ >1.7
Viscosity (for bulk liquids only) ☐ 1-5 ☐ 5-20
Est actual in centipoise 5,000
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20
Est actual ☐ >20
pH ☐ 2-6 ☐ 6-10
☐ 10-12.5
☐ <2 or >12.5
Est actual

Flash Point (closed cup)

W < 100°F U > 200°F
U 100-140°F U 85
W 140-200°F actual

Sulfur (Wt %)

X < 5
if > 5 Est actual value

Halogens (Wt %)

<1 1-5 5-10
☐ Iodine ☐ 0 ☐ 0
☐ Bromine ☐ U ☐ U
XX Chlorine ☒ U ☐ U
XX Fluorine .50 PPM actual Wt %

if > 10 Est actual Wt %

NONE SUSPECTED

Metals: EP Toxicity Test (MG/L)

Arsenic (As) < .01
Barium (Ba) .2
Cadmium (Cd) .22
Chromium (Cr) .12
Lead (Pb) .25
Mercury (Hg) .11

Selenium (Se) .019
Silver (Ag) < .01
Copper (Cu) < .01
Nickel (Ni) < .01
Zinc (Zn) < .01

Organics (ppm)

Endrin 0 NONE SUSPECTED
Lindane 0 "
Methoxychlor 0 "
Toxaphene 0 "
2,4-D 0 "
2,4,5-T (Sorex) 0 "

If material contains the following compounds, indicate actual ppm:

PCB 0 NONE SUSPECTED
Cyanides 0 "
Sulfides 0 "
Dioxin 0 "

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US V. MSP
PRODUCED BY MSP 9/83
RELEASED
DO NOT
REPEAT
USE
FOR
PUBLICATION
OR
REPRODUCTION

MSD054

1443

DEQ051411

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US V. MSP PRODUCED BY MSP 9/93

NOV 15 1993
REQUEST 9/93
MATERIALS CHARACTERIZATION DATA SHEET

MSD054

DEQ051412

1444 L

THIS DATA SHEET IS FOR MATERIAL PREVIOUSLY APPROVED BUT NOT RECERTIFIED BEFORE THE DEADLINE 5/4/90 . REFERENCE MSP CODE SS0/SS0 8803488

Generating Process: SOLVENT DISTILLATION RESIDUES/SLUDGES.

Please attach all material's safety data sheets, logistic sketches, analysis reports, handling precautions, additional hazardous support information, data and comments.
STANDARD PROTECTIVE CLOTHING, GLOVES, BOOTS, SAFETY GLASSES, RESPIRATORS (BLACK NIOSH) ORGANIC VAPORS.

DOT Hazardous Material ☒ N

Proper Shipping Name WASTE FLAMMABLE SOLID N.O.S.

DOTED No UN 1325

(circle one) ☒ N/A

Hazard Class FLAMMABLE

RC

Anticipated Volume

Drums 15,000 GAL.

Gal

Yds

Lbs

U BALT

Flt Pkt

Container Size 55 GAL.

Container type 55 GAL DRUMS

Per

Fl One time

Week

X 1 Month

Year

Lt Car

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. *William J. McClary*
Generator's Signature

2. JACK MCCLARY

Name (Type or Print)

3. MAY 16, 1990

Date

4.

Title GENERAL MANAGER

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.

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

RECYCLE / REUSE

MANIFEST NO 016641

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

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	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 STS Graphics 1516 E Winston Rd Anheim, CA 92805		4. Generator's Phone (914) 999-1310	5. US EPA ID Number CA191918121010151010110101013	6. State Manifest Document Number	
7. Transporter 1 Company Name Odyssey Trans		8. US EPA ID Number CA191918121010151010110101019	9. US EPA ID Number	10. State Generator's ID	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA191918121010151010110101016	11. US EPA ID Number	12. State Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste No.
a. WASTE FLAMMABLE SOLID, n.o.s. FLAMMABLE SOLID UN1325		5 DM	225	G	0001 R
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE FREC/STSG/8906382		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.					
Printed/Typed Name KEN PITRINE		Signature [Signature]		Month Day Year 12/12/1990	
17. Transporter 1 Acknowledgement of Receipt of Material's		Signature John D Carter		Month Day Year 06/21/90	
18. Transporter 2 Acknowledgement of Receipt of Material's		Signature		Month Day Year	
19. Discrepancy Indication Space DER051413					
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 12/12/90	

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MOX 5-5 REQUEST 1/1/93
Laidman Hazardous Waste
Production Inc. 1st Fl. 8th St. N.Y.C.

MSD054

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RELATABLE

MSD054

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DEQ051414

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET
P.O. BOX 16978 • KENNER, LA 70063
SALES (504) 465-3310

MCDS Document #
870132

REC/STSG/8900382
MSP CODE:

Generator Name STS Graphics
Facility Address 1515 E. Wiston
City, State, Zip Anchorage AK 99505
Technical Contact Oliver Medilla
Title Mgr
Telephone NO. (714) 999 1310 EXT:
Facility EPA ID # CA 0987005 (M)

Bill To: Environmental Recovery Services
Address: P.O. Box 2376
City, State, Zip: Seaside CA 91373
Telephone #: 818 891 1495
Company Contact: Fred Bell
Container Size: 55 Gallon
EPA Waste No. 0001
Generating Process Site Cleanup
Common Name of Waste Waste Paint
Rate of Generation 4 drms PER yr
Volume in Storage 4 drms IN steel

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

<u>Paint Sludge</u>	<u>80</u>	%
<u>Oil Sludge</u>	<u>20</u>	%
		%
		%
		%
		%

METALS (EP Toxicity Test, mg/l) n/s none suspected

Arsenic (As)	<u>n/s</u>	Silver (Ag)	<u>n/s</u>
Barium (Ba)	<u>n/s</u>	Copper (Cu)	<u>n/s</u>
Cadmium (Cd)	<u>n/s</u>	Nickel (Ni)	<u>n/s</u>
Chromium (Cr)	<u>n/s</u>	Zinc (Zn)	<u>n/s</u>
Lead (Pb)	<u>n/s</u>		
Mercury (Hg)	<u>n/s</u>		
Selenium (Se)	<u>n/s</u>		

INORGANICS (mg/l or ppm)

Total CN	<u>n/s</u>	Isoline	<u>n/s</u>
Free CN	<u>n/s</u>	Asbestos	<u>n/s</u>
Sulfide	<u>n/s</u>		
Chloride	<u>n/s</u>		
Bisulfite	<u>n/s</u>		
Sulfite	<u>n/s</u>		
Sulfate	<u>n/s</u>		
Phosphate	<u>n/s</u>		
Fluorine	<u>n/s</u>		
Bromine	<u>n/s</u>		
Chlorine	<u>n/s</u>		

ORGANICS (mg/l or ppm)

Endrin	<u>n/s</u>	Organohalide	<u>n/s</u>
Methoxychlor	<u>n/s</u>	Mercaptans	<u>n/s</u>
Inoxyphen	<u>n/s</u>		
2,4-D	<u>n/s</u>		
2,4,5-T	<u>n/s</u>		
Phenolics	<u>n/s</u>		
PCBs	<u>n/s</u>		
Dioxin	<u>n/s</u>		
TOC	<u>n/s</u>		

Is Waste DOT Hazardous YES 1 NO
Proper DOT Shipping Name Waste Flammable Solid, Res
Hazard Class FL S10 ID No. UN 1325
Transportation Equipment Truck
Placarding Flammable

PHYSICAL DESCRIPTION

Physical State 1 Liquid 1X Semi-solid 1 Solid
Phase/Layering 1 Uni-Layer 1 Bilayer 1X Multilayer
Viscosity 1 High 1X Medium 1 Low
Type of Solids 1X Organic 1 Inorganic 1 Mixed
Total Solids (wt. %) — Suspended Solids (wt. %) —
NTU/ft. 15500 % Ash Content 2 % Water (by weight) —
Flash Point (°F) 100° Type —
Specific Gravity — Freezing Point (°C) —
Boiling Point (°C) — Vapour Pressure (mm Hg @ 24°C) —
pH (Avg) 0.5 NTL (Range) — in —
Total Alkalinity/Acidity (%) —
Odor MILD
Color VARIED

HAZARDOUS PROPERTIES

1 Water Reactive 1 Reactive 1 NONE
1 Shock Sensitive 1 Pyrophoric 1 Polymerizable
1 Radioactive 1 Pesticide Residuals 1X Ignitable
1 Corrosive 1 Toxic Vapor 1 Pathogen
1 Biological 1 Etiological
1 Other —

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

Respirator, 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.

DATE 12/14/89

GENERATOR'S SIGNATURE: Oliver Medilla

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

RECYCLE / REUSE

MANIFEST NO 016210

Form Approved. OMB No. 2050-0039. Expires 9-30-81

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	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 Scott Aviation 123 E Montello SIERRA MADRE CA 91024		4. Generator's Phone (818) 355-4281	5. Transporter 1 Company Name Odyssey Transport	6. US EPA ID Number ICAB1018131211010111	7. Transporter 2 Company Name
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number LA098110577016	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		
a. WASTE FLAMMABLE SOLID, n.o.s. FLAMMABLE SOLID UN1325		12. Containers No. 014	Type DM	13. Total Quantity 01071710	14. Unit G
b.					Waste No. 0001
c.					R
d.					R
J. Additional Descriptions for Materials Listed Above		RECYCLE / REUSE		K. Handling Codes for Wastes Listed Above	
EREC/SCAV/9003262					
15. Special Handling Instructions and Additional Information Gloves & goggles					
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 Gordon McKinnon		Signature [Signature]		Month Day Year 6/21/91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name John D Carter		Signature [Signature]		Month Day Year 6/21/91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space DEQ051415					
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 Bassett					
Signature [Signature]		Month Day Year 6/21/91			

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US V. MAP
PRODUCED BY MAP 9/93
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1994-11-14
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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

9003267

JUN 13 1990

For MSP Use Only

Approval Code

EREC/SCAN/9003267

A. General Information

Company Name Scott Aviation
Address 123 E MONTICITO
City SIERRA MADRE State CA Zip Code 91024
Generator Contact George Melbinnon
Title Plant Manager
Telephone No. (818) 355-4281
Facility EPA ID No. CAD980435146

B. Customer Information

Company Name EnviroServ
Contact Fred Pell
Address P.O. Box 2376
Sepulveda CA 91393
Telephone No. (818) 891-1495
For Customer Use

C. Regulatory Information

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

D. Chemical Composition

NO TRACE NAMES - Names must not exceed 20% Total in maximum column must be greater than or equal to 100%

	MIN	MAX
<u>Resin Sludge</u>	<u>25%</u>	
<u>Paint Sludge</u>	<u>25%</u>	
<u>Paint Thinner</u>	<u>5%</u>	
<u>Hydraulic Oil</u>	<u>15%</u>	
<u>Corroded Metal Cans</u>	<u>30%</u>	

Common name of waste:

E. General Characteristics

Color VARIED
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 %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
<u>10%</u>	☐ <1 ☐ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk tank only)	☐ 2-4 ☐ 6-10
BTU's per lb	☐ 1-5 ☐ >10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)		☐ 1.0-1.2 ☐ >1.7		☐ >20	☐ <2 or >12.5
<u>11000</u>	list actual	list actual	CP	list actual	list actual

Flash Point (closed cup)

☐ <100°F ☐ >200°F
☒ 100°-140°F C °F
☐ 140°-200°F actual

Sulfur (Wt %)

☐ <5
☐ >5 list actual value

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

Metals SP Toxicity Test (MAG/L)

none suspected
Arsenic (As) nil Selenium (Se) nil
Barium (Ba) nil Silver (Ag) nil
Cadmium (Cd) nil Copper (Cu) nil
Chromium (Cr) nil Nickel (Ni) nil
Lead (Pb) nil Zinc (Zn) nil
Mercury (Hg) nil

Organics (ppm)

Endrin nil If material contains the following compounds, indicate actual ppm.
Lindane nil PCB nil
Methoxychlor nil Cyanides nil
Toxaphene nil Sulfides nil
2,4-D nil Dioxin nil
2,4,5-T (2,4,6-Cl₃) nil

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US V. MSP
PRODUCED BY MSP 9/90
REQUEST 1/1/91
COST \$1,000.00
MATERIAL \$100.00
TOTAL \$1,100.00

MSD054

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST 1
Batteries Hazardous Waste
Material Release Report
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

Gloves & Goggles

Generating process:

J. Shipping Information

DOT Hazardous Material ☒ N

(circle one)

Proper Shipping Name

WASTE FLAMMABLE SOLID

DOT LD. No. ☒ UN 1325

Hazard Class

FLAMMABLE SOLID

10

Anticipated Volume

Drum

15

Gal

Yds

Lbs

☐ Bkt

☐ Roll

Container Size

55 gallon

Container type

Steel

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.

George McKinnon

Generator's Signature

2.

GEORGE McKinnon

Name (Type or Print)

3.

6/12/90

Date

4.

MANAGER

Title

DEQ051417

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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U.S. AIR FORCE
RECEIVED

MSDO54

1450 F

Recycle/Reuse

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N J 000 1 1 1 0 0 0 4 00 111415		2. Page 1 Manifest Document # LA 1095929 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Cycle Chem Inc. ✓ 217 S. First ST Elizabeht, NJ 07206				A. State Manifest Document Number LA 1095929	
4. Generator's Phone (201) 355-5800 ✓				B. State Generator's ID SAME	
5. Transporter 1 Company Name Clean Venture, Inc. ✓		6. US EPA ID Number NY 11 10 19 18 12 12 18 11 10 11 16		C. State Transporter's ID NJDEPS5811	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 201-442-49001/ ✓	
9. Designated Facility Name and Site Address Marine Shale Processors, INC. ✓ Highway 90 East Morgan City, LA 70380 ✓				E. State Transporter's ID	
10. US EPA ID Number LA 1A 1B 19 18 11 10 15 17 17 10 13				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
a. RQ Waste Combustible Liquid, n.o.s. (TM) NO MATERIAL SENT HERE Combustible Liquid, NA1993 (D001, D006, D007, D008)					P
b. RQ Hazardous Waste Solid, n.os. ORM-E, NA9189 (D004, D005, D006, D007, D008, D010, D011)				XIXI	P
c. Waste Chemical Process Liquid, n.o.s. Non DOT/Non RCRA Waste Material				XIXI	P
d. RQ Waste Flammable Liquid, n.o.s. Flammable Liquid UN1993 (D001)				XIXI	P
J. Additional Descriptions for Materials Listed Above (TM) a) L, I, E 100% Mineral spirits sludge b) S, E 100% soil, debris, with heavy metal. c) L 100% latex paints with debris d) I Dirt/debris 60-90%, virgin toluene, acetone 10-15%				K. Handling Codes for Wastes Listed Above a) T04 Recycle b) T04 Recycle c) T04 Recycle d) T04 Recycle	
15. Special Handling Instructions and Additional Information a) CYC-9000977 (TM) c) CYC-8801466 ✓ b) CYC-9002007 ✓ d) CYC-8806025 ✓ Emergency #201-442-4900					
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 Meyer ✓				Signature Todd Meyer Month Day Year 06/22/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Edward Hawkins ✓				Signature Edward Hawkins Month Day Year 06/23/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature Month Day Year	
19. Discrepancy Indication Space nc. 1900 is a Y.I.G. Reg. No. 3L DEQ051418					
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 Gina Bassett				Month Day Year 06/25/90	

EPA Form 8700-22 k (Rev. 9/88) Previous edition is obsolete.

DEQ FORM HW-3 (R 9/88)

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MSP Approval Code

CYC /CYC /8806025/ /

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

Generator Name: CYCLE CHEN

Telephone: (201) 355-5800 x.0000

Facility Address: 217 SOUTH FIRST STREET

USEPA ID: NJD002200016

ELIZABETH, NJ 07206-0000

Name of Waste: VIRGIN SOLVENT CONTAMINATED DEBRIS

Generating Process: _____

Technical Contact: MR. SCOTT BURY

Title:

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.

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (type/size) 17H

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

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

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: Dr Scott Dwyer

Signature:

Title:

Dale:

US V. MSP Releaseable
PRODUCED BY MSP 9/93
BOX 5 REQUEST
William Hargreaves West
mailed 24 Oct 1981

MSDO54

DE 051419

1541

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST 9/93
Waste Management
Hazardous Waste
Hazardous Waste

MSD054

1492

MARINE SHALE PROCESSORS, INC. MATERIALS CHARACTERIZATION DATA SHEET SALES (504) 465-3310

MCDs Document #

AUG 08 1988

MSP CODE:

CYC/CYC/8806025

Generator Name Cycle Chem, Inc.
Facility Address 217 South First St.
City, State, Zip Elizabeth, N.J. 07206
Technical Contact Scott Bury
Title Disposal Coordinator
Telephone NO. 201 355-5800 EXT:
Facility EPA ID # KJD002200046

Bill To: Cycle Chem, Inc.
Company Contact: Richard Taylor
Container Size: 55 gallon
EPA Waste No. D061
Generating Process Solvent Contaminated debris
Common Name of Waste " "
Rate of Generation 10 drums per quarter
Volume in Storage 10 drums 17H
Waste DOT Hazardous UN 1993
Proper DOT Shipping Name Waste Flammable Liquid, n.c.
Hazard Class Flamm ID No. UN 1993
Transportation Equipment " "
Placarding Flammable Liquid

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)
PAPER, filters, glass, dirt 60-90 %
acrylic polymers 20-30 %
acetone, toluene 10-15 %
perfumes 10-15 %

PHYSICAL DESCRIPTION
Physical State LIQ Liquid 1 Semi-solid 1 Solid
Phase/Layering 1 Uni-Layer 1 Bi-layer 1 Multi-layer
Viscosity 1 High 1 Medium 1 Low
Type of Solids 1 Organic 1 Inorganic 1 Mixed
Total Solids (wt. %) 60-90 Suspended Solids (wt. %) 5
BTU/lb 10-20 % Ash Content 10-20 % Water (by weight) 5
Flash Point (F) <100 Type closed
Specific Gravity .9
Boiling Point (F) " " Freezing Point (F) " "
Vapor Pressure (mm Hg @ 24°C) 7
pH (Avg) 7 (Range) 4 to 10
Total Alkalinity/Acidity (%) " "
Odor Solvent
Color VARIES

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
Toxaphene 0
2,4-D 0
2,4,5-T 0
Phenolics 0
PCBs 0
Dioxin 0
TOC 20-60%

HAZARDOUS PROPERTIES
1 Water Reactive 1 NONE
1 Shock Sensitive 1 Reactive 1 Explosive
1 Radioactive 1 Pyrophoric 1 Polymizable
1 Corrosive 1 Pesticide Residuals 1 Ignitable
1 Biological 1 Toxic Vapor 1 Pathogen
1 Other 1 Ecological

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 listed are representative of all the materials subject to the contract.

DATE 7-29-88

GENERATOR'S SIGNATURE: W. Scott Bury

DEG051420

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U.S. V. NED PRODUCED BY NED 9/93

BOX 5 REQUEST 1-1-88
WALTON HAZARDOUS WASTE
FACILITY - DECATUR, GA. MSDS

MSD054

1453

MSDS Document #

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

cyclechem-8806025
MSF CODE:

AUG 08 1988

Generator Name Cycle Chem, Inc.
Facility Address 217 South First St.
City, State, Zip Elizabeth, N.J. 07206
Technical Contact Scott Berry
Title Disposal Coordinator
Telephone NO. (201) 355-5800 EXT.
Facility EPA ID # NJD00220046

Bill To: Cycle Chem, Inc.
Company Contact: Richard Taylor
Container Size: 55 gallon
EPA Waste No. Not
Generating Process Solvent contaminated debris
Common Name of Waste " "
Rate of Generation 10 drums per quarter
Volume in Storage 10 drums
Is Waste DOT Hazardous YES 11 NO
Proper DOT Shipping Name UN 1993
Hazard Class Flammable liquid
Transportation Equipment " "
Placarding Flammable liquid

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)
Phenol, glass, glass, dirt 10-20%
acrylic polymers 20-30%
Alcohol, butene 10-15%
inclusions 10-15%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	<u>0</u>	Silver (Ag)	<u>0</u>
Barium (Ba)	<u>1</u>	Copper (Cu)	<u>1</u>
Cadmium (Cd)	<u>1</u>	Nickel (Ni)	<u>1</u>
Chromium (Cr)	<u>1</u>	Zinc (Zn)	<u>1</u>
Lead (Pb)	<u>1</u>		
Mercury (Hg)	<u>1</u>		
Selenium (Se)	<u>1</u>		

INORGANICS (mg/l or ppm)

Total CN	<u>0</u>	Iodine	<u>0</u>
Free CN	<u>0</u>	Asbestos	<u>0</u>
Sulfide	<u>1</u>		
Chloride	<u>1</u>		
Bromide	<u>1</u>		
Sulfate	<u>1</u>		
Phosphate	<u>1</u>		
Fluoride	<u>1</u>		
Borane	<u>1</u>		
Chlorine	<u>1</u>		

ORGANICS (mg/l or ppm)

Endrin	<u>0</u>	Organotin	<u>0</u>
Methoxychlor	<u>1</u>	Mercaptans	<u>0</u>
Toxaphene	<u>1</u>		
2,4-D	<u>1</u>		
2,4,5-T	<u>1</u>		
Phenolics	<u>1</u>		
PCB	<u>1</u>		
Dioxin	<u>1</u>		
TOC	<u>200-300</u>		

PHYSICAL DESCRIPTION

Physical State 1 Liquid 1 Semi-solid 1 Solid
Phase/Layering 1 Uni-Layer 1 Bi-Layer 1 Multi-Layer
Viscosity 1 High 1 Medium 1 Low
Type of Solids 1 Organic 1 Inorganic 1 Mixed
Total Solids (wt. %) 60-90 Suspended Solids (wt. %) 5
BTU/lb 10-12 % Ash Content 10-20 % Water (by weight) 5
Flash Point (F) <100 Type closed
Specific Gravity 1
Boiling Point (F) 1 Freezing Point (F) 1
Vapor Pressure (mm Hg @ 20°C) 1
pH (Avg) 7 (Range) 4 to 10
Total Alkalinity/Acidity (%) 1
Odor Solvent
Color UN 1993

HAZARDOUS PROPERTIES

<u>1</u> Water Reactive	<u>1</u> Reactive	<u>1</u> Explosive
<u>1</u> Shock Sensitive	<u>1</u> Pyrophoric	<u>1</u> Polymizable
<u>1</u> Radioactive	<u>1</u> Pesticide Residuals	<u>1</u> Ignitable
<u>1</u> Corrosive	<u>1</u> Toxic Vapor	<u>1</u> Pathogen
<u>1</u> Biological	<u>1</u> Ecological	
<u>1</u> 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 7-24-88

GENERATOR'S SIGNATURE: W. Scott Berry

DEG051421

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MSD054

1454

DEMO51422

SEALINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

Cycle/Cycle-FFO 6025
MSP CODE:

HCDS Document #

AUG 08 1998

Generator Name Cycle Chem, Inc.
Facility Address 217 South First St.
City, State, Zip Elizabeth, N.J. 07206
Technical Contact Scott Berry
Title Disposal Coordinator
Telephone NO. (201) 355-5800 EXT:
Facility EPA ID # NJD002200046

Bill To: Cycle Chem, Inc.
Company Contact: Richard Taylor
Container Size: 55 gallon
EPA Waste No. Doc 1
Generating Process Solvent Contaminated debris
Common Name of Waste
Rate of Generation 10 drums per quarter
Volume in Storage 10 drums IN 17H
Is Waste DOT Hazardous YES () NO
Proper DOT Shipping Name Waste Flammable Liquid, n.s.
Hazard Class Flamm ID No. UN1993
Transportation Equipment
Placarding Flammable Liquid

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)
plastic, glass, dirt 60-90 %
acrylic polymers 20-30 %
nitrocellulose 10-15 %
polymers 10-15 %

PHYSICAL DESCRIPTION
Physical State LM Liquid () Semisolid (X) Solid
Phase/Layering () Uni-Layer () Bilayer (X) Multilayer
Viscosity (X) High () Medium () Low
Type of Solids (X) Organic () Inorganic () Mixed
Total Solids (wt. %) 60-90 Suspended Solids (wt. %) 5
BTU/lb 10-15 % Ash Content 10-20 % Water (by weight) 5
Flash Point (F) <100 Type closed
Specific Gravity
Boiling Point (F) Freezing Point (F)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) 7 (Range) 4 to 10
Total Alkalinity/Acidity (%)
Odor Solvent
Color VARIOUS

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
Chloride
Bisulfite
Sulfite
Sulfate
Phosphate
Fluoride
Bromine
Chlorine

ORGANICS (mg/l or ppm)
Endrin 0 Organohalide 0
Methoxychlor 0 Mercaptans 0
Toxaphene
2,4,5
2,4,5-T
Phenolics
PCBs
Dioxin
TOC 200-400

HAZARDOUS PROPERTIES
() NON!
() Water Reactive () Reactive () Explosive
() Shock Sensitive () Pyrophoric () Polymizable
() Radioactive () Pesticide Residue (X) Ignitable
() Corrosive () Toxic Vapor () Pathogen
() Biological () Ethological
() 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 7-24-98 GENERATOR'S SIGNATURE: W. Scott Berry



MATERIALS CHARACTERIZATION DATA SHEET

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

9002007

APR 12 1996 for MSP Use Only

Approval Code

Cyc/Cyc/9002007

A. Generator Information

Generator Name Cycle Chem Inc.
Site Address 217 South First St.
City Elizabeth State NJ Zip Code 07206
Generator Contact Howard Zimmerman
Title Disposal Coordinator
Telephone No. (201) 355-5800
Facility EPA I.D. No. NJD002200046

B. Customer Information

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

C. Regulatory Information

☒ RCRA Regulated☐ Land Ban☐ Non-RegulatedEPA Waste Code(s) 2004, D05, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100

D. Chemical Composition

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

Dirt
Heavy Metals

Common Name of Waste: Dirt / Debris contaminated with Heavy Metals

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 ☒ Polymer? Y ☒
Infectious? Y ☒ Pyrophoric? Y ☒
Water Reactive? Y ☒ Explosive? Y ☒

G. Physical/Chemical Properties

Ash (Est actual Wt %) 190 Water (Wt %) 1 Specific Gravity 1.2-1.4 Viscosity (for bulk liquids only) cp Total Suspended Solids (Wt % for bulk liquids only) 5-20 pH 2-6
BTU's per lb (Est actual value) 1 ☐ 1-5 ☐ 5-10 ☐ 10-15 ☐ 15-20 ☐ 20-25 ☐ 25-30 ☐ 30-35 ☐ 35-40 ☐ 40-45 ☐ 45-50 ☐ 50-55 ☐ 55-60 ☐ 60-65 ☐ 65-70 ☐ 70-75 ☐ 75-80 ☐ 80-85 ☐ 85-90 ☐ 90-95 ☐ 95-100

Flash Point (closed cup)

☐ $\geq 100^{\circ}\text{F}$
☐ $100^{\circ}\text{F}-140^{\circ}\text{F}$
☐ $140^{\circ}\text{F}-200^{\circ}\text{F}$

Sulfur (Wt %)

☒ ≤ 5
If > 5 list actual value _____

Halogens (Wt %)

☒ Iodine
☒ Bromine
☒ Chlorine
☐ Fluorine

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 _____

Metals: EP Toxicity Test (MG/L)

Arsenic (As) 50
Barium (Ba) 1000
Cadmium (Cd) 10
Chromium (Cr) 50
Lead (Pb) 50
Mercury (Hg) 0.2

Selenium (Se)

10
Silver (Ag) 50
Copper (Cu) 50
Nickel (Ni) 50
Zinc (Zn) 50

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DEQ051423

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REQUEST
LAW ENFORCEMENT
FEDERAL BUREAU OF INVESTIGATION

MSD054

1456

Additional Information or Special Handling Instructions

Generating Process: Site excavation of factory cleanouts

Equipment and Procedures

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

Shipping Information

DOT Hazardous Material ☒ Y ☐ N
Proper Shipping Name ER Hazardous Waste Solid, NOS DOT LD. No. 9189
Hazard Class RM-E RQ 10
Anticipated Volume 50 Drums Gal or 25 Yds lbs ☒ Bulk? ☐ Retail?
Container Size 55 gallon Container Type 17-H
For ☐ One Time ☐ Week ☒ Month ☐ Year ☐ Other

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. Howard Zimmerman 2. Howard Zimmerman
Generator's Signature Name (Type or Print)
3. 4-6-90 4. Disposal Coordinator
Date Title

Comments

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.

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REQUEST
Waste
Material
Recycling
Act
MSD054

MSD054

1457

DE0031425

ENTERED 11/26/93

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code

Date printed: 2/16/90 Rep. ID: ER0

CYC /CYC /8801466/ /

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: **CYCLE CHEM** Telephone: **(201) 355-5800 x.0000**

Facility Address: **217 SOUTH FIRST STREET** USEPA ID: **NJ002200016**

ELIZABETH, NJ 07206-0000

Name of Waste: **LATEX PAINTS** Generating Process: _____

Technical Contact: **MR. SCOTT BURY** 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:

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) **Steel / 55 gallon**

Anticipated Volume: **5** 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: **Howard Zimmerman** Signature: **Howard Zimmerman**

Title: **Disposal Coordinator** Date: **2-21-90**

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Box 15
Hazardous Waste
Material Safety Data Sheet

MSD054

1458

DEMO51426

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

SALES (504) 465-3310

MSP CODE: _____

MCDS Document #

8801466

FEB 25 1988

Generator Name Cycle Chem, Inc.
Facility Address 217 South First St.

City, State, Zip Elizabeth, N.J. 07206
Technical Contact Scott Bury
Title Disposal Coordinator
Telephone NO. 201 355-5800 EXT: _____
Facility EPA ID # NJD002200046

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

<u>LATEX</u>	<u>40-80</u>	%
<u>WATER</u>	<u>30-50</u>	%
<u>Colorants, Fillers</u>	<u>0-10</u>	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

Total CN	<u>0</u>	Iodine	<u>0</u>
Free CN	<u>0</u>	Asbestos	<u>0</u>
Sulfide	<u>0</u>		
Chloride	<u>0</u>		
Bisulfite	<u>0</u>		
Sulfate	<u>0</u>		
Sulfate	<u>0</u>		
Phosphate	<u>0</u>		
Fluorine	<u>0</u>		
Bromine	<u>0</u>		
Chlorine	<u>0</u>		

ORGANICS (mg/l or ppm)

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

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 2-19-88

GENERATOR SIGNATURE

Bill To: Cycle Chem, Inc.
Company Contact: Richard Taylor
Container Size: 55 gallon drum
EPA Waste No. NONE
Generating Process OUTLETS MATERIAL
Common Name of Waste LATEX PAINTS
Rate of Generation 5 drums per month
Volume in Storage 10 drums in 50 gal 12"

Is Waste DOT Hazardous YES 14NO
Proper DOT Shipping Name WASTE CHEMICAL PROCESS SOLID
Hazard Class NA ID No. NA X-716
Transportation Equipment N/R
Placarding N/R

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. %) 5-25 Suspended Solids (wt. %) 5-10
BTU/lb 8K % Ash Content 2 % Water (by weight) 40
Flash Point (°F) 2200 Type closed
Specific Gravity 1.0
Boiling Point, (°C) 120 Freezing Point, (°C) 0
Vapor Pressure (mm Hg @ 24°C) 2.1 mm
pH (Avg) 7 (Range) 6 to 8
Total Alkalinity/Acidity (%)
Odor paint
Color white to black

HAZARDOUS PROPERTIES

 NONE
 Water Reactive Reactive Explosive
 Shock Sensitive Pyrophoric Polymizable
 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.

111 1/1-2

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Box 5
Hazardous Waste
Material - Latex Paints

MSD054

1459

DEQ051427

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document #

SALES (504) 465-3310

MSP CODE: CYC/CLC-8801466

8801466 FEB 25 1998

Generator Name Cycle Chem, Inc.
Facility Address 217 South First St.
City, State, Zip Elizabeth, N.J. 07206
Technical Contact Scott Bury
Title Disposal Coordinator
Telephone NO. 201 355-5800 EXT:
Facility EPA ID # NJD002200046

Bill To: Cycle Chem, Inc.
Company Contact: Richard Taylor
Container Size: 55 gallon drum
EPA Waste No. NONE
Generating Process OUTDATED MATERIAL
Common Name of Waste LATEX PAINTS
Rate of Generation 5 drums per month
Volume in Storage 10 drums in 55 gal 17H

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

<u>LATEX</u>	<u>40/30</u> %
<u>WATER</u>	<u>30/50</u> %
<u>COLOURANTS, FILLEES</u>	<u>0-10</u> %
	%
	%
	%
	%
	%

Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name WASTE CHEMICAL PROCESS SOLID
Hazard Class NA ID No. NA NA NA NA
Transportation Equipment N/R
Placarding N/R

PHYSICAL DESCRIPTION

Physical State 1 Liquid 1 Semi-solid 1 Solid
Phase/Layering 1 Uni-Layer 1 Bi-layer 1 Multi-layer
Viscosity 1 High 1 Medium 1 Low
Type of Solids 1 Organic 1 Inorganic 1 Mixed
Total Solids (wt. %) 5-25 Suspended Solids (wt. %) 5-10
BTU/lb 8 K % Ash Content 2 % Water (by weight) 40
Flash Point (°F) >200 Type CLOSED
Specific Gravity 1.0
Boiling Point (°C) 120 Freezing Point (°C) 0
Vapor Pressure (mm Hg @ 24°C) 2.1 mm
pH (Avg) 7 (Range) 6 to 8
Total Alkalinity/Acidity (%)
Odor PAINT
Color WHITE TO BLACK

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

Total CN	<u>0</u>	Iodine	<u>0</u>
Free CN	<u>0</u>	Asbestos	<u>0</u>
Sulfide	<u>0</u>		
Chloride	<u>0</u>		
Bisulfite	<u>0</u>		
Sulfite	<u>0</u>		
Sulfate	<u>0</u>		
Phosphate	<u>0</u>		
Fluorine	<u>0</u>		
Bromine	<u>0</u>		
Chlorine	<u>0</u>		

ORGANICS (mg/l or ppm)

Ends in	<u>0</u>	Organohalide	<u>0</u>
Methoxychlor	<u>0</u>	Mercaptans	<u>0</u>
Toxaphene	<u>0</u>		
2,4-D	<u>0</u>		
2,4,5-T	<u>0</u>		
Phenolics	<u>0</u>		
PCBs	<u>0</u>		
Dioxin	<u>0</u>		
TOC	<u>0</u>		

HAZARDOUS PROPERTIES

1 NONE
1 Water Reactive 1 Reactive 1 Explosive
1 Shock Sensitive 1 Pyrophoric 1 Polymizable
1 Radioactive 1 Pesticide Residuals 1 Ignitable
1 Corrosive 1 Toxic Vapor 1 Pathogen
1 Biological 1 Etiological
1 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.

7-10-80

11-10-80

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 REQUEST
 BOX 5
 National Geographic Institute
 Washington, D.C. 20045-1225

MSDO54

1967

701200000 @ Plant



CYCLE CHEM
RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

May 3, 1966

This letter is to amend approval CYC-8801466 of Cycle Chem, Inc. The proper shipping name is Waste Chemical process liquid, New Jersey Waste NJ-900 and not as stated on the profile.

W. Scott Ferguson

DEQ051428

217 S. FIRST STREET ELIZABETH, NEW JERSEY 07208

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

RECYCLE / REUSE

MANIFEST NO: 016297✓

Please Print or Type. Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0038 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	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 Long Beach Unified School Dist 151 E. 27TH STREET Long Beach, CA 90806		6. US EPA ID Number 101441	7. US EPA ID Number 101441	A. State Manifest Document Number	B. State Generator's ID	C. State Transporter's ID
4. Generator's Phone (213) 426-5974		8. US EPA ID Number	9. US EPA ID Number	D. Transporter's Phone (213) 426-3901	E. State Transporter's ID	F. Transporter's Phone
5. Transporter 1 Company Name Odyssey Trans		10. US EPA ID Number	11. US EPA ID Number	G. State Facility's ID	H. Facility's Phone (504) 631-3161	I. Facility's Name
7. Transporter 2 Company Name		12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE FLAMMABLE SOLID, n.o.s. FLAMMABLE SOLID UN1325						
J. Additional Descriptions for Materials Listed Above RECYCLE / REUSE EREC/LBU/9001744		K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information Gloves & goggles						
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 YACONO		Signature		Month Day Year 10/21/90		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name John D Carter		Signature		Month Day Year 10/21/90		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space DEQ051429						
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 Brisson						
Signature		Month Day Year 10/21/90				

EPA Form 320-22 (Rev. 9/89) WHITE - DEQ GREEN - Generator YELLOW - TSDRF BLUE - Transporter 2 PINK - Transporter 1 GOLD - Generator INFORMATION USE ONLY

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

U.S. MAP
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REQUEST 1/1/93
1/1/93
1/1/93

MSD054

1961



MATERIALS CHARACTERIZATION DATA SHEET

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

APR 03 1998

For MSP Use Only

Approval Code

9001744

EREC/LBU/9001744

A. General Information

Company Name Long Beach UAF Sea Dis
Address 151 East 23TH St
City Long Beach State CA Zip Code 90806
Generator Contact Dave Vasquez
Title Mac
Telephone No. (714) 426-5934
Facility EPA ID No. CA0981420314

B. Customer Information

Company Name Environmental Recovery Service
Contact FRED PELL
Address P.O. Box 2336
SEQUIMIA CA 91393
Telephone No. (919) 991-1495
For Customer Use

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) 10001

D. Chemical Composition

PRO GRADE NAMES - Samples must not exceed 20% Total in maximum column must be greater than or equal to 100%

	MIN	MAX
<u>PAINT SWIRLS</u>		<u>100%</u>

Common name of waste:

E. General Characteristics

Color VARIED
Odor ☐ None ☒ Mild ☐ Strong
☐ Liquid ☒ Sludge ☐ Solid ☐ Powder
Phase ☒ 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 (Not equal Wt %): 2 Water (Wt %): ☒ <1 ☐ 5-10 ☐ >10
BTU's per lb: 14000 (List actual value) ☐ 1-5 ☒ >10
Specific Gravity: ☐ <0.8 ☐ 1.2-1.4 ☐ 0.8-1.0 ☐ 1.4-1.7 ☐ 0.1-1.2 ☐ >1.7
Viscosity (for bulk liquids only): cp List actual in centipoise
Total Suspended Solids (Wt % for bulk liquids only): list actual ☐ <5 ☐ 5-20 ☐ >20
pH: ☐ 2-4 ☐ 6-10 ☐ 10-12.5 ☐ <2 or >12.5

Flash Point (closed cup): list actual ☐ <100°F ☐ >200°F ☐ 100°-140°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: BP Toxicity Test (MCL) nils none suspected
Arsenic (As) nils Selenium (Se) nils
Barium (Ba) nils Silver (Ag) nils
Cadmium (Cd) nils Copper (Cu) nils
Chromium (Cr) nils Nickel (Ni) nils
Lead (Pb) nils Zinc (Zn) nils
Mercury (Hg) nils

Organics (ppm)
Endrin nils If material contains the following compounds, indicate actual ppm
Lindane nils PCBs nils
Methoxychlor nils Cyanides nils
Toxaphene nils Sulfides nils
2,4-D nils Diamin. nils
2,4,5-TP (57-xx) nils

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DO NOT
REQUEST
LAW ENFORCEMENT
AGENCY
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FBI/DOJ

MSD054

1462

DEQ051430

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DOY 15-11-1988
PROCESSED BY MSP 9/93
PRODUCED BY MSP 9/93

MSD054

1463 L

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

Respirator, Goggles & Gloves

Generating process:

J. Shipping Information

DOT Hazardous Material ☒ N

(circle one)

Proper Shipping Name

WASTE FLAMMABLE SOLID

DOT LD. No.

UNNA

1325

Hazard Class

FLAMMABLE SOLID

ID

Anticipated Volume

Drums

5

Gal

Yds

Lbs

Drum

Roll

Container Size

55 gallon

Container Type

steel

Per

☐ One time

☐ Week

☐ Month

☐ Year

☒ 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.

Dave Yacine

Generator's Signature

2.

Dave Yacine

Name (Type or Print)

3.

4-2-90

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.

DER051431

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

Recycle/Reuse

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. LA 1095927		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Cycle Chem, Inc. 217 S. First ST. Elizabeth, NJ 07206 4. Generator's Phone (201) 355-5800				A. State Manifest Document Number LA 1095927			
5. Transporter 1 Company Name Clean Venture Inc. 6. US EPA ID Number LA 1095927				B. State Generator's ID NAME			
7. Transporter 2 Company Name				C. State Transporter's ID NJDEPS5811			
8. US EPA ID Number				D. Transporter's Phone 201-442-4900			
9. Designated Facility Name and Site Address Marine Shale Processors, Inc. Highway 90 East Morgan City, LA 70380				E. State Transporter's ID			
10. US EPA ID Number				F. Transporter's Phone			
11. USDOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				G. State Facility's ID			
12. Containers				H. Facility's Phone 504-631-3161			
No.		Type		13. Total Quantity		14. Unit Wt/Vol	
a.		RQ Waste Combustible Liquid, n.o.s. ORM-E, NA9189 (P002, P003, P005, D004, D005, D006, D007,)		XIXI		P	
b.		RQ Waste Flammable Liquid, n.o.s. Flammable Liquid, UN1993 (P003, P005)		XXIXI		P	
c.		RQ Waste Flammable Solid, n.o.s. Flammable Solid, UN1325 (D001)		XIXI		P	
d.		RQ Waste ORM-A, n.o.s. ORM A NA1693 (P002)		XIXI		P	
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
a) S, I, T, E 100% laboratory sample waste				a) T04 Recycle			
b) L, I, T 100% spent paint solvent based				b) T04 Recycle			
c) S, T 100% virgin paint solids				c) T04 Recycle			
d) S, T 100% chlorinated solvents with paint solids				d) T04 Recycle			
15. Special Handling Instructions and Additional Information a) CYC-9002375 c) CYC-8705103 (3x55, 3x85, 1x5) b) CYC-8901552 d) CYC-8705102 (1x85) (3x55, 1x85, 2x5) Emergency 201-442-4900							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest 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 Meyer				Signature Todd Meyer		Month Day Year 06/22/90	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Edward Hawkins		Month Day Year 10/12/90	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
19. Discrepancy Indication Space DER051432							
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 Gina Bassett		Month Day Year 10/12/90	

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REQUEST 1
BOSTON, MA
MASSACHUSETTS
MASSACHUSETTS
MASSACHUSETTS

MSD054

1464 F

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USEPA V. MAP
PRODUCED BY MAP 9/93
REQUEST 1/94
LAWSON, HARRISON, LITTON
PROFESSIONAL RECORDING SERVICES

MSD054

1465

DEQ051433

MAR 02 1990

**RECERTIFICATION OF
MATERIAL CHARACTERIZATION DATA SHEET**

Date printed: 2/16/90

Rep. ID: ERQ

MSP Approval Code
CYC /CYC /0705109/ /

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: CYCLE CHEN

Telephone: (201) 355-5800 x.0000

Facility Address: 217 SOUTH FIRST STREET

USEPA ID: NJP002200046

ELIZABETH, NJ 07206-0000

Name of Waste: PAINT SLUDGE

Generating Process: _____

Technical Contact: MR. SCOTT BURY

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:

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 STEEL

Anticipated Volume: 100 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: Howard Zimmerman

Signature: Howard Zimmerman

Title: Disposal Coordinator

Date: 2-23-90

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REQUEST BY
Hazardous Waste
Management Unit
April 1987

MSD054

1466

MARINE SHALE PROCESSORS, INC. MATERIALS CHARACTERIZATION DATA SHEET

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

MSP CODE: CYC-0002

875100

Generator Name CYCLE-CHEM
Facility Address 217 South First Street
City, State, Zip Elizabeth, New Jersey 07206
Technical Contact Richard V. Taylor
Title General Manager
Telephone NO. (201) 353-5800 (X1)
Facility EPA ID # NJD002200046

SUBMITTED BY: CYCLE-CHEM
Container Size 55 gal. drum
EPA Waste No. D001
REASON Ignitable Paint Solids
Common Name of Waste Paint Sludge
Rate of Generation 100 drums PER Month
(Oun) (Units) (Time Interval)
Volume in Storage 200 Drums IN 55 gal. steel
(Oun) (Units) (Container)
Is Waste DOT Hazardous ☒ YES ☐ NO
Proper DOT Shipping Name Flammable Solid, N.O.S.
Hazard Class Flammable ID No. UN 1325
Transportation Equipment Box Van
Placarding Flammable Solid
Generating Process Consolidation of drums

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

Paint Solids	50 %
Drum-dri or speedi-dri	30 %
Paint Thinner	10 %
Water	5 %
Debris (Rags, cans, wood, etc.)	5 %

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	<.02	Silver (Ag)	<.05
Barium (Ba)	<.10	Copper (Cu)	
Cadmium (Cd)	<.01	Nickel (Ni)	
Chromium (Cr)	<.05	Zinc (Zn)	
Lead (Pb)	<.05		
Mercury (Hg)	<.002		
Selenium (Se)	<.05		

INORGANICS (mg/l or ppm)

Total CN		Bromine	
Free CN	<.02	Iodine	
Sulfide	<.05	Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Fluorine			
Chlorine			
Chloride			

ORGANICS (mg/l or ppm)

Acetone		Organohalide	
Methoxychlor		Perceptions	
Tetraphene			
2, 4-D			
2, 4, 5-T			
Phenol (ics)			
PCB	None		
DDC			
BOD			
COO			

PHYSICAL DESCRIPTION

Physical State ☐ Liquid ☒ Semi-solid ☒ Solid
Phases/Layering ☒ None ☐ Bilayered ☐ Multilayered
Viscosity ☒ High ☐ Medium ☐ Low
Type of Solids ☐ Organic ☐ Inorganic ☒ Mixed
Total Solids (wt %) 50-70 Suspended Solids (wt %) 30
BW/IB 15,000 Ash Content 30
Flash Point (°F) 75°F Type
Specific Gravity
Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 21°C)
pH (Avg) (Range) 5 to 9
Total Alkalinity/Acidity (K)
Odor Paint Thinner
Color Varies

HAZARDOUS PROPERTIES

☐ NONE
☒ Ignitable ☐ Corrosive Steel ☐ Toxic Vapor
☐ Reactive ☐ Pyrophoric ☐ Shock Sensitive
☐ Explosive ☐ Water Reactive ☐ Radioactive
☐ Biological ☐ Pathogen ☐ Cytological
☐ Pesticide Residuals
☐ Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

Standard Safety Equipment
Avoid sparks of open flame

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 April 14, 1987

SIGNATURE

Richard V. Taylor

MSP FORM 1010 (REV. 7/73/87)

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DEQ051434

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RELEASABLE

MSD054

1467

1110 (204) 101-0784
(204) 631-3626
875103
Generator Name: CYCLE-CHIM
Facility Address: 217 South First Street
City, State, Zip: Elizabeth, New Jersey 07206
Technical Contact: Richard V. Taylor
Title: General Manager
Telephone NO. (201) 335-5800 (Ext):
Facility ID #: NJ0002200046

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

Paint Solids	50	%
Drum-dry or speed-dry	10	%
Paint Thinner	10	%
Water	5	%
Debris (Rags, cans, wood, etc.)	5	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	<.02	Silver (Ag)	<.05
Barium (Ba)	<.10	Copper (Cu)	
Cadmium (Cd)	<.01	Nickel (Ni)	
Chromium (Cr)	<.05	Zinc (Zn)	
Lead (Pb)	<.05		
Mercury (Hg)	<.002		
Selenium (Se)	<.05		

INORGANICS (mg/l or ppm)

Total CN		Bromine	
Free CN	<.02	Iodine	
Sulfide	<.05	Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Fluoride			
Chloride			
Chloride			

ORGANICS (mg/l or ppm)

Acetone		Organohalide	
Methoxychlor		Perceptions	
Isophene			
2, 4-D			
2, 4, 5-T			
Phenol(s)			
PCB	None		
TOC			
BOD			
COD			

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: April 14, 1987

SIGNATURE: Richard V. Taylor

MSF FORM 1010 (REV. 7/75/87)

DEQ051435

RECEIVED APR 15 1987

875103
CYC/CYC-8705103
SUBMITTED BY: CYCLE-CHIM
(Customer)
Container Size: 55 gal. drum
EPA Waste No.: D001
HAZOP: Ignitable Paint Solids
Common Name of Waste: Paint Sludge
Rate of Generation: 100 drums PER Month
(Quon) (Units) (Time Interval)
Volume in Storage: 200 Drums IN 55 gal steel
(Quon) (Units) (Container)
Is Waste DOT Hazardous (X) YES () NO
Proper DOT Shipping Name: Flammable Solid, N.O.S.
Hazard Class: Flammable ID No. UN 1325
Transportation Equipment: Box Van
Placarding: Flammable Solid
Generating Process: Consolidation of drums

PHYSICAL DESCRIPTION

Physical State	() Liquid (X) Semi-solid (X) Solid
Phases/Layering	(X) None () Bifayered () Multilayered
Viscosity	(X) High () Medium () Low
Type of Solids	() Organic () Inorganic (X) Mixed
Total Solids (wt %)	50-70 Suspended Solids (wt %)
BLU/1b	15,000 % Ash Content ~30
Flash Point (°F)	75°F Type
Specific Gravity	
Boiling Point, (°C)	Freezing Point, (°C)
Vapor Pressure (mm Hg @ 21°C)	
pH (Avg)	(Range) 5 to 9
Total Alkalinity/Acidity (K)	
Odor	Paint Thinner
Color	Varies

HAZARDOUS PROPERTIES

(X) Ignitable	() Corrosive Steel	() Toxic Vapor
() Reactive	() Pyrophoric	() Shock Sensitive
() Explosive	() Water Reactive	() Radioactive
() Biological	() Pathogen	() Cytological
() Pesticide Residuals		
() Other		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

Standard Safety Equipment
Avoid sparks of open flame

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

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U.S. V. M.S.D. PRODUCE BY M.S.D. 9/93

MSD FORM 1010 (REV. 7/23/87)

MSD054

1468

NG (504) 767-0984
(504) 631-3626
875102
CYCLE-CHIEM
217 South First Street
Elizabeth, New Jersey 07206
Richard V. Taylor
General Manager
(201) 355-5800
NJD002200046

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

Paint Solids	50
Drum-dry or speedi-dry	30
Paint Thinner	10
Water	5
Debris (Nags, cans, wood, etc.)	5

METALS (EP Toxicity Test, mg/l)

Arsonic (As)	<.02	Silver (Ag)	<.05
Barium (Ba)	<.10	Copper (Cu)	
Cadmium (Cd)	<.01	Nickel (Ni)	
Chromium (Cr)	<.05	Zinc (Zn)	
Lead (Pb)	<.05		
Mercury (Hg)	<.002		
Selenium (Se)	<.05		

INORGANICS (mg/l or ppm)

Total Cr		Bromine	
Free Cr	<.02	Iodine	
Sulfide	<.05	Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Fluoride			
Chloride			
Chloride			

ORGANICS (mg/l or ppm)

Acetone		Organohalide	
Anthracene		Mercaptans	
Benzo(a)pyrene			
2, 4-D			
2, 4, 5-T			
Phenol(s)			
PCB	None		
TC			
BO			
CO			

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 April 14, 1987

SIGNATURE

Richard V. Taylor

RECEIVED APR 15 1987

MSD FORM 1010 (REV. 7/23/87)

DEQ051436

HSP CODE: CYC-0002
CYC/CYC-8705102

SUBMITTED BY: CYCLE-CHIEM

Container Size: 55 gal. drum
EPA Waste No.: 0001
REASON: Ignitable Paint Solids
Common Name of Waste: Paint Sludge
Rate of Generation: 100 drums PER Month
(Quon) (Units) (Time Interval)
Volume in Storage: 200 Drums IN 55 gal. steel
(Quon) (Units) (Container)
Is Waste DOT Hazardous (X) YES () NO
Proper DOT Shipping Name: Flammable Solid, N.O.S.
Hazard Class: Flammable ID No. UN 1325
Transportation Equipment: Box Van
Placarding: Flammable Solid
Generating Process: Consolidation of drums

PHYSICAL DESCRIPTION

Physical State () Liquid (X) Semi-solid (X) Solid
Phases/Layering (X) None () Bifayered () Multilayered
Viscosity (X) High () Medium () Low
Type of Solids () Organic () Inorganic (X) Mixed
Total Solids (wt %) 50-70 Suspended Solids (wt %) 30
DM/16 15,000 Ash Content
Flash Point (°F) 75°F Type
Specific Gravity
Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 21°C)
pH (Avg) (Range) 5 to 9
Total Alkalinity/Acidity (X)
Odor: Paint Thinner
Color: Varies

HAZARDOUS PROPERTIES

() NONE
(X) Ignitable () Corrosive Steel () Toxic Vapor
() Reactive () Pyrophoric () Shock Sensitive
() Explosive () Water Reactive () Radioactive
() Biological () Pathogen () Etiological
() Pesticide Residuals
() Other

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

Standard Safety Equipment
Avoid sparks of open flame

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

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MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

ING (304) 767-0924
CT (304) 671-3626

HSP CODE: CYC-0001
CYC/CYC-875103
CYCLE-CHEM

Generator Name CYCLE-CHEM
Facility Address 217 South First Street
City, State, Zip Elizabeth, New Jersey 07206
Technical Contact Richard V. Taylor
Title General Manager
Telephone HQ: (201) 355-5800 Ext:
Facility EPA ID: NJ0002200046

SUBMITTED BY: (Customer)
Container Size 55 gal. steel drum
EPA Waste No. F002
ACASOM Contains chlorinated solvents
Common Name of Waste Paint Stripping Sludge
Rate of Generation 100 drums per Month
(Oun) (Units) (Time Interval)
Volume in Storage 200 IN Drums
(Oun) (Units) (Container)

Is Waste DOT Hazardous ☒ YES ☐ NO
Proper DOT Shipping Name Hazardous Waste Solid N.O.S.
Hazard Class ORM-E ID No. NA 9189
Transportation Equipment Box Van
Placarding None
Generating Process Stripping paint from furniture

CHEMICAL COMPOSITION

(Totals must add up to 100 %)

Paint Solids	45 %
Speedi-dri or drum-dri	30 %
Water	5 %
Debris (Rags, cans, wood, etc.)	10 %
Mixed Chlorinated Solvents	10 %
(Methylene chloride, trichloroethylene, 1-1-1 trichloroethane)	%

METALS (EP Toxicity Test, mg/l)

Arsenic (As)	<.02	Silver (Ag)	<.05
Boron (Bo)	<.10	Copper (Cu)	
Cadmium (Cd)	<.01	Nickel (Ni)	
Chromium (Cr)	<.05	Zinc (Zn)	
Lead (Pb)	<.05		
Mercury (Hg)	<.002		
Selenium (Se)	<.05		

INORGANICS (mg/l or ppm)

Total CH		Bromine	
Free CH	<.02	Iodine	
Sulfide	<.05	Asbestos	
Bisulfite			
Sulfite			
Sulfate			
Phosphate			
Fluorine			
Chlorine			
Chloride			

ORGANICS (mg/l or ppm)

Endrin		Organohalide	
Polychlorinated		Mercaptans	
Hexaphene			
2, 4-D			
2, 4, 5-T			
Phenol (free)			
PCB	None		
PCP			
PCO			
COO			

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 April 14, 1987

SIGNATURE

Richard V. Taylor

USE FORM 1000 (REV 2/23/83)

DEQ051437

RECEIVED APR 15 1987

US V. MSP
PRODUCED BY MSP 9/83
REQUEST 6/1/87
LAWSON, HARRISON, HARRISON
HARRISON, HARRISON, HARRISON

MSD054

1469

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US V. MSP
PRODUCED BY MSP 9/93
REQUIREMENT
Citation: Hazardous Waste Management and Emergency Response Act, 42 U.S.C. 9601-9605

MSD054

1470

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET		MSP Approval Code
Date printed: 2/21/90	Rep. ID: ERG	CYC /CYC /0901652/ /
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: <u>CYCLE CHEN</u>	Telephone: <u>(201) 355-5800 x.0000</u>	
Facility Address: <u>217 SOUTH FIRST STREET</u>	USEPA ID: <u>NJ9002200046</u>	
<u>ELIZABETH, NJ 07206-0000</u>		
Name of Waste: <u>PAINT SLUDGE</u>	Generating Process: _____	
Technical Contact: <u>MR. SCOTT BURY</u>	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:		
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) <u>steel / 55 gallon</u>		
Anticipated Volume: <u>20</u> 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: <u>Howard Zimmerman</u>		Signature: <u>Howard Zimmerman</u>
Title: <u>Disposal Coordinator</u>		Date: <u>2-26-90</u>

DEMO51438

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MSD054

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document #

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

MSP CODE: _____

8901552

MAR 21 1989

Generator Name Cycle Chem, Inc
Facility Address 217 South First St
City, State, Zip Elizabeth, NJ 07206
Technical Contact Scott Bury
Title Disposal Coordinator
Telephone NO. (201) 355-5800 EXT: _____
Facility EPA ID # NTD002200046

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

Solvent based paints 100 %

METALS (EP Toxicity Test, mg/l) NONE suspected

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

INORGANICS (mg/l or ppm)

Total CN <u>NS</u>	Iodine <u>NS</u>
Free CN <u>NS</u>	Asbestos <u>NS</u>
Sulfide	
Chloride	
Bisulfite	
Sulfite	
Sulfate	
Phosphate	
Flourine	
Bromine	
Chlorine	

ORGANICS (mg/l or ppm)

Endr In <u>NS</u>	Organohalide <u>NS</u>
Methoxychlor <u>NS</u>	Mercaptans <u>NS</u>
Toxaphene	
2,4-D	
2,4,5-T	
Phenolics	
PCBs	
Dioxin	
TOC <u>NS</u>	

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

3/17/89

GENERATOR'S SIGNATURE: W Scott Bury

Bill To: Same
Company Contact: Scott Bury
Container Size: 17 H
EPA Waste No. F013, F005
Generating Process CLEANING TANKS
Common Name of Waste PAINT SLUDGE
Rate of Generation 10 PER month
Volume in Storage 10 IN 55 gal (7H)
Is Waste DOT Hazardous YES NO
Proper DOT Shipping Name HAZARDOUS WASTE FLAMMABLE LIQ
Hazard Class Flam ID No. VN1913
Transportation Equipment HAZ
Placarding FLAMMABLE LIQ

PHYSICAL DESCRIPTION

Physical State K Liquid X Semi-solid Solid
Phases/Layering Uni-Layer X Bilayer Multilayer
Viscosity X High Medium Low
Type of Solids N Organic Inorganic Mixed
Total Solids (wt. %) 90 Suspended Solids (wt. %) 70
BTU/lb 12K % Ash Content 30 % Water (by weight) <10
Flash Point (°F) <100 Type open
Specific Gravity
Boiling Point (°C) Freezing Point (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) 7 (Range) 5 to 9
Total Alkalinity/Acidity (%)
Odor Solvent
Color VARIABLES

HAZARDOUS PROPERTIES

<u> </u> Water Reactive	<u> </u> Reactive	<u> </u> NONE
<u> </u> Shock Sensitive	<u> </u> Pyrophoric	<u> </u> Explosive
<u> </u> Radioactive	<u> </u> Pesticide Residuals	<u> </u> Polymizable
<u> </u> Corrosive	<u> </u> Toxic Vapor	<u> </u> Ignitable
<u> </u> Biological	<u> </u> Etiological	<u> </u> Pathogen
<u> </u> 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.

DEQ051439

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Box 155
Hazardous Waste
Material - New York City

MSD054

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DEQ051440

Materials Characterization Data Sheet
AICIS Document # 8801052
MAR 21 1989
SALES (504) 465-3310
PLANT (504) 631-3626
Cyc/cyc/8901552
MSP CODE: _____

COPY

Generator Name: Cycle Chem Inc
Facility Address: PLZ So. At. First St
City, State, Zip: Elizabeth, NJ 07206
Technical Contact: Scott Bury
Title: Disposal Coordinator
Telephone (NO): (201) 355-5800 EXT:
Facility EPA ID #: NTD00220016

Bill To: Same
Company Contact: Scott Bury
Container Size: 17H
EPA Waste No.: F003, F005
Generating Process: CLEANING TANKS
Common Name of Waste: Paint Sludge
Rate of Generation: 10 PER month
Volume in Storage: 1.0 IN 55 gal (7H)

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)
solvent based paints 100 %

Is Waste DOT Hazardous: (X) YES | () NO
Proper DOT Shipping Name: Waste Flammable Liquid, n.o.
Hazard Class: Flam ID No.: VN1713
Transportation Equipment: LD
Hazarding: Flammable Liquid

PHYSICAL DESCRIPTION

Physical State: (X) Liquid | () Semi-solid | () Solid
Phases/Layering: () Uni-Layer | (X) Bilayer | () Multilayer
Viscosity: (X) High | () Medium | () Low
Type of Solids: (X) Organic | () Inorganic | () Mixed
Total Solids (wt. %): 90 Suspended Solids (wt. %): 70
RTU/Lb: 12K % Ash Content: 30 % Water (by weight): <10
Flash Point (°F): <100 Type: open
Specific Gravity: 1.2
Boiling Point (°C): _____ Freezing Point (°C): _____
Vapor Pressure (mm Hg @ 24°C): <1
pH (Avg): 7 (Range): 5 to 9
Total Alkalinity/Acidity (%): _____
Odor: Solvent
Color: VARIES

METALS (EP Toxicity Test, mg/l) none suspected
Arsenic (As): 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
Selenium (Se): NS

INORGANICS (mg/l or ppm)

Total CN: NS Isoline: NS
Free CN: NS Asbestos: NS
Sulfate: _____
Chloride: _____
Bisulfate: _____
Sulfite: _____
Sulfate: _____
Phosphate: _____
Fluoride: _____
Iodide: _____
Chloride: _____

ORGANICS (mg/l or ppm)

Endrin: NS Organochlorine: NS
Aldrin: NS Mercaptan: NS
Toxaphene: _____
2,4-D: _____
2,4,5-T: _____
Phenol: _____
PCBs: _____
Dioxin: _____
TCF: TRIAL

HAZARDOUS PROPERTIES

| | NONE
| | Water Reactive | | Reactive | | Explosive
| | Shock Sensitive | | Pyrophoric | | Polymizable
| | 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: 3/17/89 GENERATOR'S SIGNATURE: W Scott Bury

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DEMO 51441

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

ACDS Document #

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

MSP CODE:

cyc/cyc/89D1552

0001552

MAR 21 1989

COPY

Generator Name Cycle Chem, Inc
Facility Address 217 South First St
City, State, Zip Elizabeth NJ 07206
Technical Contact Scott Bury
Title Disposal Coordinator
Telephone NO. (201) 355-5800 EXT.
Facility EPA ID # NTD00220016

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

solvent based paints 100 %

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

Total CN NS Iodine NS
Free CN ✓ Asbestos NS
Sulfide ✓
Chloride ✓
Bisulfite ✓
Sulfite ✓
Sulfate ✓
Hydrophate ✓
Fluoride ✓
Bromine ✓
Chlorine ✓

(ORGANICS (mg/l or ppm)

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

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

3/17/89

GENERATOR'S SIGNATURE:

W Scott Bury

Bill To: Same
Company Contact: Scott Bury
Container Size: 17H
EPA Waste No. F003, F005
Generating Process CLEANING TANKS
Common Name of Waste PAINT SLUDGE
Rate of Generation 10 PER month
Volume in Storage 10 IN 55 gal 17H
Is Waste DOT Hazardous (X) YES () NO
Proper DOT Shipping Name Waste Flammable Liquid, n.o.s.
Hazard Class Flam ID No. VN1713
Transportation Equipment LD
Packaging Flammable Liquid

PHYSICAL DESCRIPTION

Physical State (X) Liquid (X) Semi-solid () Solid
Phases/Layering () Uni-Layer (X) Bilayer () Multilayer
Viscosity (X) High () Medium () Low
Type of Solids (X) Organic () Inorganic () Mixed
Total Solids (wt. %) 90 Suspended Solids (wt. %) 70
BTU/lb 12K % Ash Content 30 % Water (by weight) <10
Flash Point (°F) <100 Type open
Specific Gravity .9
Boiling Point, (°C) — Freezing Point, (°C) —
Vapor Pressure (mm Hg @ 24°C) <1
pH (Avg) 7 (Range) 5 to 9
Total Alkalinity/Acidity (%) —
Odor Solvent
Color VARIABLES

HAZARDOUS PROPERTIES

() Water Reactive () Reactive () NONE
() Shock Sensitive () Pyrophoric () Explosive
() Radioactive () Pesticide Residuals (X) 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.

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BOX 5
REQUEST
WASTES
Hazardous Waste
Material Safety Data Sheet

MSD054

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DEMOS1442

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

AICDS Document #

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

MSP CODE:

MAR 21 1989

COPY

Generator Name: Cycle Chem, Inc
Facility Address: 217 South First St
City, State, Zip: Elizabeth, NJ 07206
Technical Contact: Scott Bury
Title: Disposal Coordinator
Telephone NO. (incl. area code): 355-5800 EXT:
EPA ID #: NTD002200016

CHEMICAL COMPOSITION (No Trade Name)

(Total must add up to 100%)
Solvent based paints 100 %

METALS (If Toxicity Test, mg/l) 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
Bisulfide NS
Sulfate NS
Sulfite NS
Fluoride NS
Phosphate NS
Boron NS
Iron NS
Chlorine NS

ORGANICS (mg/l or ppm)

Inch NS Organohalide NS
Methoxy NS Mercaptans NS
Trioxane NS
2,4,5 NS
2,4,5-T NS
Phenolics NS
KOH NS
Dioxin NS
HC 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

3/17/89

GENERATOR'S SIGNATURE:

W Scott Bury

Bill To: Same
Company Contact: Scott Bury
Container Size: 17H
EPA Waste No.: F003, F005
Generating Process: CLEANING TANKS
Common Name of Waste: PAINT SLUDGE
Rate of Generation: 10 62 PER month
Volume in Storage: 10 62 IN 55 gal 17H
Is Waste DOT Hazardous: YES NO
Proper DOT Shipping Name: WASTE FLAMMABLE LIQUID, n.o.s.
Hazard Class: Flam ID No.: UN1713
Transportation Equipment: 17H
Placarding: FLAMMABLE LIQUID

PHYSICAL DESCRIPTION

Physical State: X Liquid X Semi-solid Solid
Phases/Layering: Uni-Layer X Bilayer Multilayer
Viscosity: X High Medium Low
Type of Solids: X Organic Inorganic Mixed
Total Solids (wt. %): 90 Suspended Solids (wt. %): 70
BTU/lb: 12K % Ash Content: 30 % Water (by weight): <10
Flash Point (°F): <100 Type: open
Specific Gravity: 1.2
Boiling Point (°C): Freezing Point (°C):
Vapor Pressure (mm Hg @ 24°C): <1
pH (Avg): 7 (Range): 5 to 9
Total Alkalinity/Acidity (%):
Color: Solvent
Color: VARIABLES

HAZARDOUS PROPERTIES

NONE
 Water Reactive Reactive Explosive
 Shock Sensitive Pyrophoric Polymizable
 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.



MATERIALS CHARACTERIZATION DATA SHEET

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

APR 30 1990

9002375

For MSP Use Only

Approval Code Cyc/cyc/9002375

A. Generator Information

Generator Name Cycle Chem Inc
Site Address 217 South First St.
City Elizabeth State NJ Zip Code 07206
Generator Contact Howard Zimmerman
Title Disposal Coordinator
Telephone No. (201) 355-5800
Facility EPA ID No. NJTX02200046

B. Customer Information

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

C. Regulatory Information

☒ RCRA Regulated

☒ Land Ban

☐ Non-Regulated

EPA Waste Code(s) F002, F003, F005, D004, D005, D006, D007, D008

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
<u>Soil</u>	<u>99</u>	<u>100</u>
<u>Xylene</u>	<u>0</u>	<u>1</u>
<u>Ethylbenzene</u>	<u>0</u>	<u>1</u>
<u>Toluene</u>	<u>0</u>	<u>1</u>

Common Name of Waste: Contaminated Soil

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 (Est actual Wt %)
80-99%
BTU's per lb
(Est actual value)
6-9K

Water (Wt %)
☒ < 1 ☐ 5-10
☐ 1-5 ☐ > 10
Est actual _____

Specific Gravity
☐ < 0.8 ☐ 1.2-1.4
☐ 0.8-1.0 ☐ 1.4-1.7
☐ 1.0-1.2 ☐ > 1.7
Est actual _____

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

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

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

Flash Point (closed cup)

☐ < 100°F ☒ > 200°F
☐ 100°-140°F ☐ _____°F
☐ 140°-200°F actual _____

Sulfur (Wt %)

☒ < 5
if > 5 Est actual value _____

Halogens (Wt %)

☒ Iodine ☐ 1-5 ☐ 5-10 ☐ > 10 Est actual Wt %
☒ Bromine ☐ ☐
☒ Chlorine ☐ ☐
☐ Fluorine actual Wt % _____

Metals: EP Toxicity Test (MG/L)

Arsenic (As) < 50
Barium (Ba) < 1000
Cadmium (Cd) < 10
Chromium (Cr) < 50
Lead (Pb) < 50
Mercury (Hg) < 0.2

Selenium (Se)

< 1
Silver (Ag) < 5
Copper (Cu) < 5
Nickel (Ni) < 5
Zinc (Zn) < 50

Organics (ppm)

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

If material contains the following

compounds, indicate actual ppm:

PCB 0
Cyanides < 20
Sulfides < 25
Dioxin 0

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US V. MAP PRODUCED BY MAP 9/90

MSD054

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DEQ051443

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US V. MSP Releaseable

Box 5
PRODUCED BY MSP 9/93
REQUEST
Laboratory Hazardous Waste
Characterization Data Sheet

MSD054

1476 L

H. Notes, Additional Information or Special Handling Instructions

Generating Process: Laboratory Analysis of Soil

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

RC Hazardous Waste Solid, NOS DOT LD. No. 9189 (circle one) UN/NA

Hazard Class

ORM-E

RQ

1 1b.

Anticipated Volume

10 Drums

Gal

Yds

Lbs

☐ Bulk?

☐ Rail?

Container Size

55 gallon

Container Type

17-H.E

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. Howard Zimmerman
Generator's Signature

2. Howard Zimmerman
Name (Type or Print)

3. 4-26-90
Date

4. Disposal Coordinator
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.

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

RECYCLE/ REUSE

MANIFEST NO. 903527

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 14 Y 00 1 3 2 7 7 4 5 4 0 0 0 0 3

2. Page 1 of 1

3. Generator's Name and Mailing Address
Solvents & Petroleum Service, Inc. ✓
1405 Brewerton Rd., Syracuse, NY 13208
Generator's Phone (315) 454-4467 ✓

4. Transporter 1 Company Name
General Chemical Corporation

5. US EPA ID Number
14 A D 0 1 9 3 7 1 0 7 9

6. Transporter 2 Company Name

7. US EPA ID Number

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

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

10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. RQ WASTE FLAMMABLE LIQUID N.O.S./FLAMMABLE LIQUID/UN1993 (D001)	61213	1/12/15	G	D001
b. RQ WASTE FLAMMABLE LIQUID N.O.S./FLAMMABLE LIQUID/UN1993 (D001)	61212	1/1/10	G	D001
c. RQ WASTE FLAMMABLE LIQUID N.O.S./FLAMMABLE LIQUID/UN1993 (D001)	61011	10/10/15	G	D001
d.				

15. Special Handling Instructions and Additional Information
Line A: SPS0001 contains; Toluene/Xylene 55 gal. drums
Line B: SPS8904114 contains; Toluene/Xylene 55 gal. drums (semi-solids)
Line C: SPS0001 contains; Toluene/Xylene 85 gal. overpack
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: LISA ANDREWS ✓ Signature: [Signature] Month Day Year: 12/12/90 ✓

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Signature] ✓ Signature: [Signature] Month Day Year: 12/12/90 ✓

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

19. Discrepancy Indication Space
DEQ051445

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] ✓ Signature: [Signature] Month Day Year: 12/12/90 ✓

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST 1
14777 F

MSD054

14777 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

For MSP Use Only

Approval Code SPS/SPS/8705012

A. Generator Information

Generator Name Solvents + Petroleum Service
Site Address 1405 Brewerton Rd.
City Syracuse State N.Y. Zip Code 13208
Generator Contact Philip Jakes-Johnson
Title Plant Manager
Telephone No. (315) 454-4467
Facility EPA ID No. NYD 0132 77 454

B. Customer Information

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

C. Regulatory Information

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) D001 + 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
<u>Flammable Solvents (Aromatics + Alcohols)</u>	<u>10</u>	<u>30</u>
<u>Organic Sludges (Toluene + N Butyl Alcohol)</u>	<u>70</u>	<u>90</u>
<u>H₂O (Xylene + Isobutanol)</u>	<u>5</u>	<u>15</u>

Common Name of Waste:

E. General Characteristics

Color: Brown-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 %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids	pH
<u>10</u>	☐ <1 ☒ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 2-6 ☒ 6-10
BTU's per lb	☐ 1-5 ☒ > 10	☐ 0.8-1.0 ☐ 1.4-1.7	list actual in centipoise	☐ 5-20	☐ 10-12.5
(list actual value)		☐ 1.0-1.2 ☐ > 1.7		☒ > 20	☐ < 2 or > 12.5
<u>> 5000</u>	list actual	list actual	cp	list actual	list actual

IT is a range

Flash Point (closed cup)	Sulfur (Wt %)	Halogens (Wt %)	1-5	5-10	> 10 list actual Wt %
☒ < 100°F ☐ > 200°F	☒ < 5 ☐ > 5 list actual value	☐ Iodine ☐ Bromine ☐ Chlorine ☐ Fluorine	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	
☐ 100°-140°F ☐ 140°-200°F		<u>None detected</u>			

Metals: EP Toxicity Test (Pb/Cu)

Arsenic (As) None
Barium (Ba) None
Cadmium (Cd) Suspected
Chromium (Cr) Suspected
Lead (Pb) Suspected
Mercury (Hg) Suspected

Selenium (Se) None
Silver (Ag) None
Copper (Cu) Suspected
Nickel (Ni) Suspected
Zinc (Zn) Suspected

Organics (ppm)

Endrin None
Lindane None
Methoxychlor Suspected
Toxaphene Suspected
2,4-D Suspected
2,4,5-TP (Silver) Suspected

If material contains the following compounds, indicate actual ppm:

PCB None
Cyanides Suspected
Sulfides Suspected
Dioxin Suspected

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REMARKS
NOX
REQUEST
Custodian
manifest
manifest
manifest

MSD054

14778

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U.S. V. MSP
PRODUCED BY MSP 9/93
REQUEST
Waste Flammable Liquid
Material Characterization Data Sheet

MSD054

1479

H. Notes, Additional Information or Special Handling Instructions

SPS. fills each drum MSP receives. We let them stand for a period of time to check the container for leaks and to ensure no reactions or polymerization. Then the drums are sealed for the 1400 mile trip.
Generating Process: Cleaning out drums of paint and resins

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.

Standard Precautions taken around flammable solvent blends.

J. Shipping Information

DOT Hazardous Material Proper Shipping Name ☒ Y ☐ N

Waste Flammable Liquid NOS. (Toxic-Marked) (Single one) DOT LD. No. UN 1993

Hazard Class

Flammable Liquid

RO

Anticipated Volume

60

Drums

Gal

Yds

Lbs

☐ Bulk

☐ Rail

Container Size

55g + 85g + 5g pail

Container Type

Steel Drums or plastic overpacks

Per

☐ One time

☐ Week

☒ Month

☐ Year

☐ Other

K. 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. Philip Jakes-Johnson

2. Philip Jakes-Johnson

Generator's Signature

Philip Jakes-Johnson

Name (Type or Print)

Philip Jakes-Johnson

3.

6-7-90

4.

Plant Manager

Date

6-21-90

Title

Plant Manager

L. 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.

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U.S. V. MAP
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RELEASABLE

MSD054

1480

HARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

Appellation Agreement Dated 11/17/86
Identification No. NYD013277454

By and Between Contractor and Solvents & Petroleum Service, Inc.
Material Is (Solid Waste) Hazardous Waste

RECEIVED NOV 21 1986

Instructions: In order for us to determine whether we can lawfully and safely collect, transport, and use, reuse, or manufacture products from your material, we must obtain certain information about the chemical and physical properties of the material and its chemical composition. Please be complete in your answers. If your response is "none" or "not available", so indicate. Answers must be related to lot or appellation and the completed form must be signed. Please retain a copy of this form for your records.

1. Generator Name: Solvents & Petroleum Service, Inc. ID. Waste Description

2. Generating Facility Complete Address:

1405 Brewerton Road
Syracuse, N. Y. 13208

3. Authorized Company Representative: Philip Jakes-Johnson

(315) Title: Plant Manager

4. Phone Number: 454-4467

5. Emergency Contact: Mr. Fredric S. Jakes

Title: President Phone: (315)454-4467

6. General Description of the Waste: Flammable Liquids

7. Process Generating Waste:

8. Anticipated Volume: 80 () Gallons () Tons () Cubic Yards,

() Xi Boxes, or () Other:

Form: () Dry () Fresh (X) Aqueous () Toxic, or

() Other:

9. Complete waste composition (with ranges - indicate % or ppm.) Attach additional pages if necessary.

ORGANIC

INORGANIC

Flammable Solvents 10% - 20%

Organic Sludges 70% - 90%

H₂O 5% - 10%

(a.) Vapour pressure (lb/in² at 25°C)

(b.) Flash Point 20-100 (X) °F () °C () Closed Cup () Open Cup

(c.) Boiling Point: (X) Single () Multiple () Solid-Liquid

(d.) Physical State at 20°C: () Solid (X) Liquid () Semi-Solid

() Powder () Other

(e.) Solubility (g/100g H₂O at 20°C): 40

(f.) pH: 7.0

(g.) Density: 7.5 () lb/in³ () g/cm³ (X) Other:

(h.) Odor: () Strong (X) Mild () None

(i.) Reactivity:

Hydrophobic () Yes (X) No Anticorrosive () Yes (X) No

Thermally Stable () Yes (X) No Explosive () Yes (X) No

Shock Sensitive () Yes (X) No Pyrophoric () Yes (X) No

(j.) Melting point per pound:

(k.) Relative Content per Pound: 0

11. Hazardous Material: () Yes (X) No List number per MSD as determined using

UP Toxicity Tests:

12. Hazardous Waste Constituent: (Test) (a) List (indicate % or ppm):

100%

12a. CHLORINE Content: (per cent) 1% - 2%
(small amounts)

13. Sample Included () Yes (X) No.

14. Hazard Information:

Proper MSD Shipping Name

MSD Hazard Class

**FLAMMABLE
LIQUID
NOS**

**FLAMMABLE
LIQUID**

(X) or ()

USDA

USDA No.

No.

Reg. Code

Waste No. (Hazard)

UN1993

**D001
F005
F003**

15. This waste contains: Biological Material () Yes (X) No Pathogen () Yes (X) No Etiological Agents () Yes (X) No Radioactive Materials () Yes (X) No PCB's () Yes (X) No Disinfect () Yes (X) No. If yes, specify type (if applicable) and concentration.

16. Have you obtained toxicity studies of this waste material? Yes () No (X) If so, please attach a copy of the results.

17. Required personal protective equipment & procedures: gloves, eye protection

DEQ051448

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 misstatement of composition or preparation 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.

PRODUCED BY MSP-9/93
BOX 45 REQUEST #
Nation House of Representatives
President Bill Clinton

MSDO54

SPS-0001

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

Generator Name: Solvents & Petroleum Service, Inc. Telephone: _____
Facility Address: Solvents & Petroleum Service, Inc. USEPA ID: NYD013277454
1405 Brewerton Road
Syracuse, NY 13208

Name of Waste: Flammable Liquids ^{10/1/84} Generating Process: _____
Technical Contact: Philip Jakes-Johnson Title: _____

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.

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☐ Drum (type/size) _____

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

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

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: _____ Signature: _____

Title: _____ Date: _____

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BY
MSP

MSD054

1482

MARINE SHALE PROCESSORS, INC.
MATERIALS CHARACTERIZATION DATA SHEET

SPJ-0001

Waste Disposition Agreement Dated 11/17/86
Material Identification No. NYD013277454

By and Between Contractor and Solvents & Petroleum Service, Inc.
Material is (Solid Waste) Hazardous Waste

RECEIVED NOV 21 1986

General Directions: In order for us to determine whether we can lawfully and safely collect, transport, and use, store, or manufacture products from your material, we must obtain certain information about the chemical and physical properties of the material and its chemical composition. Please be complete in your answers. If your response is "none" or "not available", so indicate. Answers must be printed in ink or typewritten and the completed form must be signed. Please use a copy of this form for your records.

1. Generator Name: Solvents & Petroleum Service, Inc.

2. Generating Facility Complete Address:
1405 Brewerton Road
Syracuse, N. Y. 13208

3. Authorized Company Representative: Philip Jakes-Johnson
Title: Plant Manager
(315) 454-4467

4. Emergency Contact: Mr. Fredric S. Jakes
Title: President Phone: (315) 454-4467

5. General Description of the Waste: Flammable Liquids

6. Process Generating Waste:
7. Anticipated Volume: 80 () Gallons () Tons () Cubic Yards,
() X) Pails, or () Other:
Per: () Day () Week (X) Month () Year, or
() Other

8. Complete waste composition (with ranges - indicate % or ppm.) Attach additional pages if necessary.

ORGANIC	INORGANIC
Flammable Solvents	10% - 20%
Organic Sludges	70% - 90%
H ₂ O	5% - 10%

9. Hazmat Information: Proper DOT Shipping Name
FLAMMABLE LIQUID NOS

USDOT Hazard Class
FLAMMABLE LIQUID

10. Waste Properties:
(a.) Vapor pressure (in mm of Hg @ 25°C)
(b.) Flash Point 20-100 () °C () °F () Closed Cup () Open Cup
(c.) Boiling Point () Single () Multiple () Solid
(d.) Physical State @ 20°C: () Solid (X) Liquid () Semi-Solid
(e.) Solubility (g/100g H₂O @ 20°C): 40
(f.) pH: 7.0
(g.) Density: 7.5 () g/ml () lb/gal () X () g/cm³
(h.) Other: () Strong (X) Mild () None
(i.) Reactivity:
Hydrophobic () Yes (X) No Autopolymerizable () Yes (X) No
Thermally Stable () Yes (X) No Explosive () Yes (X) No
Shock Sensitive () Yes (X) No Pyrophoric () Yes (X) No

11. Hazardous Waste Constituents: () Yes (X) No List constituent type as determined using EPA Toxicity Tests:
12. Hazardous Waste Constituents: () Yes (X) No List constituent % or ppm:
100%

12a. CHLORINE Content: (per cent) 1% - 2%
(small amounts)

13. Sample Included () Yes (X) No

UN 1993
Hazard Code
VOLUME
WASTE No. (11-001)
D001
F005
F003

14. This waste contains Biological Materials: () Yes (X) No Pathogenic: () Yes (X) No Etiological Agents: () Yes (X) No Infectious Materials: () Yes (X) No
15. Have you obtained toxicity studies of this waste material? Yes () No (X) If so, please attach a copy of the results.
16. Required personal protective equipment & procedures: gloves, eye protection

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.



ENVIRONMENTALLY SAFE

December 22, 1987

Mr. Philip Jakes-Johnson
Solvents & Petroleum Services, Inc.
405 Brewerton Road
Syracuse, NY 13208

Re: Material Characterization
Data Sheet Annual Update

Dear Mr. Jakes-Johnson:

MSP is committed to continuing improvement of its operations and services. We are very attentive to the needs of our customers and to the regulatory agencies under which we operate. In keeping with this commitment, MSP's Waste Analysis Plan, and the requirements of LHWR 9.10 (a) (3) and 40 CFR 265.13 (a) (3), we want to insure that you are aware of your obligation to update or recertify each Material Characterization Data Sheet (MCDS) on an annual basis. You are reminded that if the process or operation generating the materials change, you are required to send a new MCDS for the material.

If the waste has changed, the updates must be on the most recent revision to the MCDS Form (a copy is attached). If the waste has not changed, recertify the MCDS by using the Recertification Form. A copy of the recertified MCDS must be attached to the completed Recertification Form.

If a MCDS was for a one time approval or if the waste is no longer being generated, updating/recertifying is not necessary. Please notify MSP in writing of any approvals not requiring updating or recertifying.

Thank you for the opportunity to be of service to your company. Contact us if you have any questions or if we can be of further assistance.

Sincerely,

Brian Recatto

Brian J. Recatto
Sales Administrative
Officer

BJR/mdl
Enclosures

MARINE SHALE PROCESSORS, INC. CORPORATE HEADQUARTERS
110 JAMES DRIVE WEST • SUITE 120 • SAINT ROSE, LA. 70087 A Suburb of New Orleans

TELEPHONE (504) 465-3300
TELEFAX (504) 465-3344

DEQ051451

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MSD054

1483

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MSD054

1984

Name: Philip James Johnson Signature: Philip James Johnson
Title: Plant Manager Date: 1/15/88

SP3-0001

by and between Contractor and Material in (Solid Waste) Solvents & Petroleum Service Hazardous Waste

RECEIVED NOV 21 1951

Return

and Facility Complete Address:

1405 Brewerton Road
Syracuse, N. Y. 13208

INORGANIC	ORGANIC
Flammable Solvents	10% - 20%
Organic Sludges	70% - 90%
H ₂ O	5% - 10%

(a.) Vapor pressure (lit. at of H_2 @ 25°C) _____
(b.) Flash Point 20-100 °X °F () °C () Closed Cup () Open Cup
(c.) Photosensitivity (X) Single () Multilayer () Multilayer
(d.) Physical State @ 20°C: () Solid (X) Liquid () Solid-Solid
() Powder () Other _____
(e.) Solubility (g/100g H_2O @ 20°C) 40
(f.) pH 7.0
(g.) Density: 7.5 () 1000 g/L () 1000 g/L X 1000 g/L
(h.) Odor () Strong (X) Mild () None
(i.) Reactivity:
Hydrophobic () Yes (X) No Antipolymerizable () Yes (X) No
Thermally Sensitive () Yes (X) No Explosive () Yes (X) No
Shock Sensitive () Yes (X) No Pyrophoric () Yes (X) No
(j.) Net BW value per pound: _____
(k.) Moisture Content Per Pound: 0
Hazardous Material () Yes (X) No List indicates per as determined using
(L) Toxicity Tests: _____

Hazardous Waste Constituents: (Yes) (No) List indicates per as determined using
100%

2a. CHLORINE Content: (per cent) 1X - 22
(small amounts)
3. Sample Included () Yes (X) No.

* MUST BE PACKAGED IN 30 gals. *

II. Existing Information:

Price: US\$1 Shipping Free

**FLAMMABLE
LIQUID
NOS**

PS001 Ward Class

FLAMMABLE
LIQUID

① 134

Ex.

UN1993

FILE

XIII. Col

USA Ex.

Page No. (Next)

D001
F005
F003

11. This waste contains: Biological Material-1 Yes (X)5a; Pathogenic-1 Yes (X)5b; Ethological Agents-1 Yes (X)5c; Radioactive Material-1 Yes (X)5d; PCB's-1 Yes (X)5e; Diesel-1 Yes (X)5f. If yes, specify type (if applicable) and concentration _____.

12. Have you obtained toxicity studies of this waste material? Yes ☐ No ☒ If so, please attach a copy of the results. DEQ051453

13. Required personal protective equipment & procedures. gloves, eye protection

DEQ051453

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 perpetration 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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US V. HBP

MSD054

1983

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US V. MRP Releaseable
PRODUCED BY MRP 9/93
BOX 5 REQUEST #
Initiation - Hazardous Waste
Investigation - Pollution Spills

MSD054

100

11/17/86

To Materials Disposition Agreement Dated 11/17/86
 By Generator: NYD013277454

SOLVENTS & PETROLEUM SERVICE, INC. **RECEIVED NOV 21 1986**

General Instructions: In order for us to determine whether we can lawfully and safely collect, transport, and use, reuse, or manufacture products from your material, we must obtain certain information about the chemical and physical properties of the material and its chemical composition. Please be complete in your answers. If your response is "none" or "not available", so indicate. Answers sent to printed in ink or typewritten and the completed form must be signed. Please send a copy of this form for your records.

1. Generator Name: Solvents & Petroleum Service, Inc.

2. Generating Facility Complete Address: 1405 Brewerton Road
Syracuse, N. Y. 13208

3. Authorized Company Representative: Philip Jakes-Johnson
 Title: Plant Manager
 Phone Number: (315) 454-4467

4. Emergency Contact: Mr. Fredric S. Jakes
 Title: President Phone: (315) 454-4467

5. General Description of the Waste: Flammable Liquids

6. Process Generating Waste: _____

7. Anticipated Volume: 80 () Gallons () Tons () Cubic Yards,
 (X) Pails, or () Other: _____
 For: () Day () Week (X) Month () Year, or
 () Other: _____

8. Complete waste composition (with ranges - indicate % or ppm.) Attach additional pages if necessary.

ORGANIC	INORGANIC
Flammable Solvents	10% - 20%
Organic Sludges	70% - 90%
H ₂ O	5% - 10%

9. Hazardous Information: Proper MSDS Shipping Name
FLAMMABLE LIQUID NOS

MSDS Hazard Class
FLAMMABLE LIQUID

UN or NA
UN1993

MSHA No.
0001 F005 F003

10. This waste contains: Biological Materials- () Yes (X) No; Pathogens- () Yes (X) No; Etiological Agents- () Yes (X) No; Radioactive Materials- () Yes (X) No; PCB's- () Yes (X) No; Blasts- () Yes (X) No. If yes, specify type (if applicable) and concentration _____

11. Have you obtained toxicity studies of this waste material? Yes () No (X) If no, please attach a copy of the results.

12. Required personal protective equipment & procedures: gloves, eye protection

13. Type pressure (lb or of Hg @ 25°C) _____

14. Flash Point: 20-100 °X °F () °C () Closed Cup () Open Cup

15. (a.) Distillation: (X) Single () Distilled () Multi-stage

16. (a.) Physical State @ 20°C: () Solid (X) Liquid () Semi-Solid
 () Powder () Other _____

17. (a.) Solubility (g/100g H₂O @ 20°C) 40

18. (a.) pH: 7.0

19. (a.) Density: 7.5 () 11/11.3 () 11/11.3 (X) 11/11.3

20. (a.) Viscosity: (X) 1000 () 1000 () 1000

21. (a.) Reactivity:
 Hydrophobic () Yes (X) No Autopolymerizable () Yes (X) No
 Thermally Sensitive () Yes (X) No Explosive () Yes (X) No
 Shock Sensitive () Yes (X) No Pyrophoric () Yes (X) No

22. (a.) H₂W value per pound: _____

23. (a.) Relative Control Per Pound: 0

24. Hazardous Metals: () Yes (X) No List (indicate % or ppm) _____

25. CP Toxicity Tests: _____

26. Hazardous Waste Constituents: () Yes (X) No List (indicate % or ppm):
100%

27a. CHLORINE Content: (per cent) 1% - 2%
 (small amounts)

28. Sample Included () Yes (X) No

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.

D. R. Fisher-Johnson

DEQ051454

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US V. MSP RELEASEABLE

BOX 5
PRODUCED BY MSP 9/93
REPORT 1-1-1
Material: Solvents & Petroleum Service, Inc.

MSD054

1487

MATERIALS CHARACTERIZATION DATA SHEET

7705012

To Establish Responsibilities Agreement Dated 11/17/86

On Sample(s) Identifiable As NYD013277454

By and Before Contractor and Solvents & Petroleum Service, Inc.

Material Is (Solid Paste) Flammable Liquid

RECEIVED NOV 21 1986

General Description: In order for us to determine whether we can lawfully and safely collect, transport, store, use, remove, or manufacture products from your material, we must obtain certain information about the chemical and physical properties of the material and its chemical composition. Please be complete in your answers. If your answers to "name" or "not available", or "unknown", answer each is related to job or application and the completed form will be signed. Please send a copy of this form for your records.

1. Contractor Name: Solvents & Petroleum Service, Inc. 10. Waste Description

2. Generating Facility Complete Address

1405 Brewerton Road
Syracuse, N. Y. 13208

3. Authorized Company Representative: Philip Jakes-Johnson

(315) Plant Manager

4. Phone Number: 454-4467

5. Emergency Contact: Mr. Fredric S. Jakes

title: President phone: (315)454-4467

6. General Description of the Waste: Flammable Liquids

7. Present Generating Status:

8. Anticipated Volume: 80 () Gallons () Tons () Cubic Feet,

() Xl Pounds, or () Other:

For: () Dry () Wet (X) Both () Test, or

() Other:

9. Complete waste composition (with range - indicate % or ppm.) Attach Material

Page If Necessary.

WASTE	PERCENT
Flammable Solvents	10% - 20%
Organic Sludges	70% - 90%
H ₂ O	5% - 10%

(a.) Vapor pressure (lb/in. of Hg @ 75°C)

(b.) Flash Point 20-100 °F () °C () Closed Cup () Open Cup

(c.) Boiling Point () Single () Multiple () Distillation

(d.) Physical State @ 20°C () Solid (X) Liquid () Gas-Liquid

() Powder () Other:

(e.) Solubility (g/100g H₂O @ 20°C) 40

(f.) pH 7.0

(g.) Density: 7.5 () g/ml () lb/gal () X except.

(h.) Heat of Mixing (X) None () Other:

(i.) Instability:

Hydrophobic () Yes (X) No Autopolymerizable () Yes (X) No

Thermally Sensitive () Yes (X) No Explosive () Yes (X) No

Shock Sensitive () Yes (X) No Pyrophoric () Yes (X) No

(j.) Self-ignition temperature:

(k.) Relative Content Per Pound: 0

11. Hazardous Material () Yes (X) No List hazardous spp as determined using

of Toxicity Test(s):

12. Hazardous Waste Constituent () Yes (X) No List hazardous spp as determined using

100%

12a. CHLORINE Content: (per cent) 1% - 2%

(small amounts)

13. Sample Included () Yes (X) No.

14. Material Identification:

Proper MSDI Labeling Code

MSDI Hazard Class

FLAMMABLE
LIQUID
NOS

FLAMMABLE
LIQUID

UN1993

MSDI No.

D001
F005
F003

15. This waste contains: Biological Material () Yes (X) No; Inorganic () Yes (X) No; (Biological) Spores () Yes (X) No; Infectious Material () Yes (X) No; Other () Yes (X) No

16. If yes, specify spp (if applicable) and concentration:

17. Have you obtained toxicity studies of this waste material? () Yes (X) No If yes, please attach a copy of the results.

DEQ051455

18. Required personal protective equipment & procedures: gloves, eye protection

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 violation of regulations or properties exists, and that all known or suspected hazards have been disclosed. I certify that the materials listed are representative of all the materials subject to the contract.

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47

MARINE STATE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document #

8904114 JUL 27 1989

P.O. BOX 1698 • KENNER, LA 70063

SALES (504) 465-3310

SPS/SPS/8904114

MSP CODE:

Generator Name Solvents + Petroleum Service
Facility Address 1405 Brewerton Rd.
City, State, Zip Syracuse, N.Y. 13214
Technical Contact Philip Jakes-Johnson
Title Plant Manager
Telephone NO. 315 454-4467 EXT.
Facility EPA ID # NYD 013277454

Bill To: Solvents + Petroleum Service
Address: 1405 Brewerton Road
City, State, Zip: Syracuse, N.Y. 13214
Telephone #: 315 454-4467
Company Contact: Philip Jakes-Johnson
Container Size: 55 gallon Drums
EPA Waste No. D001 + F001 + F005

CHEMICAL COMPOSITION (No Trade Name)

(Totals must add up to 100%)

<u>Naphtha</u>	<u>10-50%</u>
<u>Toluene-Xylene</u>	<u>10-30%</u>
<u>M.K.</u>	<u>20-30%</u>
<u>Alcohols</u>	<u>10-20%</u>
<u>Resins</u>	<u>0-5%</u>
<u>Water</u>	<u>0-5%</u>

METALS (EP Toxicity Test, mg/l)

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

INORGANICS (mg/l or ppm)

Total CN	<u>Ns</u>	Iodine	<u>Ns</u>
Free CN	<u>Ns</u>	Asbestos	<u>Ns</u>
Sulfide	<u>Ns</u>		
Chloride	<u>Ns</u>		
Bisulfite	<u>Ns</u>		
Sulfite	<u>Ns</u>		
Sulfate	<u>Ns</u>		
Phosphate	<u>Ns</u>		
Fluorine	<u>Ns</u>		
Bromine	<u>Ns</u>		
Chlorine	<u>< 20,000 PPM</u>		

ORGANICS (mg/l or ppm)

Endrin	<u>Ns</u>	Organohalide	<u>Ns</u>
Methoxyflor	<u>Ns</u>	Mercaptans	<u>Ns</u>
Toxaphene	<u>Ns</u>		
2,4-D	<u>Ns</u>		
2,4,5-T	<u>Ns</u>		
Phenolates	<u>Ns</u>		
PCBs	<u>Ns</u>		
Dioxin	<u>Ns</u>		
TOC	<u>Ns</u>		

Generating Process Cleaning oil paint thinner drums
Common Name of Waste Flammable Liquid VOS
Rate of Generation 60 Drums PER Month
Volume in Storage 80 Drums IN 55 gallon drums
Is Waste DOT Hazardous ☒ YES ☐ NO
Proper DOT Shipping Name Flammable Liquid
Hazard Class Flam ID No. UN 1993
Transportation Equipment Truck
Placarding Flammable Liquid

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. %) 30% Suspended Solids (wt. %) 90%
BTU/lb 11,000 % Ash Content 2 % Water (by weight)
Flash Point (°F) < 140°F Type Tag Cup
Specific Gravity .95
Boiling Point (°C) > 150°F Freezing Point (°C) < 40°F
Vapor Pressure (mm Hg @ 24°C) 1-5
pH (Avg) 7 (Range) 5 to 9
Total Alkalinity/Acidity (%)
Odor Paint
Color Dark

HAZARDOUS PROPERTIES

☐ 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 7-20-89

GENERATOR'S SIGNATURE:

Philip Jakes-Johnson

MSP FORM 100-REV. 10-88

DE051456

MSD054

1488 L

MARINE SHALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 5-29-90

PAGE 3 OF 5

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	BTU/LB	ASH %	WATER %	-ACID SCRUB %	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
Cycle Chem (a)	0004	011251				7	<10	100	100	28	107	✓		TH
Cycle Chem (b)	0005	011251				5	<10	100	0.00	30	10	✓		"
Century Graphics (a)	0006	011204												
Century Graphics (b)	0007	011205				3	22.268	0.00	0.71	6.99	3.44	✓		96
Century Graphics (c)	0008	011206												
Century Graphics	0009	015224				2	<10	100	96.74	0.57	0.16	✓		96
Century Graphics (a)	0010	011201					N/S							96
Century Graphics (b)	0011	011202												
Century Graphics (c)	0012	011203				SS	<10	100	18.45	0.58	0.14	✓		96
Repschel Lilla	0013	011252				FX	N/S							96
Signal Printing	0014	015225				FX	18.271	1.27	0.18	9.71	3.66	✓		96
Griffin Printing	0015	015201				FX	18.109	1.31	0.21	8.84	3.71	✓		96
Hamblen & Co.	0016	015202				S	13.183	2.64	0.00	3.69	1.21	✓		96
Calit. West	0017	011208				FX	75	0.00	0.89	3.86	1.54	✓		96
Barina Graphics	0018	015201					N/S							96
Arwood Press	0019	015214					N/S							96
Cerjak Printing (a)	0020	011256				FX	18.104	1.30	0.14	19.25	3.76	✓		96
Cator West Graphics (a)	0021	015227				S	<10	100	0.00	0.01	0.18	✓		96

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIEBATON ROUGE
GEORGE ELDREDGEPLANT
CHARLES BEINETT
JIM RENFROE

JAY TAN

DEQ051459

1491

MSD054

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US V. MAP
PRODUCED BY MAP 9/93
REQUEST 6/1/93
Laidoff - Laidoff's Waste
Management - Laidoff's Waste

DATE: 5.22.53

PAGE 4 OF 5

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	PH	DIV/LB	ASH %	WATER %	- ACID - SERUR	IAL OGEN %	COMPATIBLE		COMMENTS
			L	S	D								YES	NO	
Wan-Land Graphics (15)	0022	015222					S	< 10	1580	0.06	0.67	0.17	✓		QC
Melita USA	0023	013106													QC
Century Graphics (a)	0024	015220						N/S							QC
Century Graphics (15)	0025	015220													
Century Graphics (c)	0026	015220						N/S							QC
Century Graphics	0027	015225						N/S							QC
Container Corp. (a)	0028	013290					2-K	19473	0.81	0.13	8.43	3.41	✓		QC
Container Corp. (15)	0029	013290					7	22830	0.08	0.19	5.81	0.74	✓		QC
Container Corp. (c)	0030	013290					10	2890	53.70	17.83	1.07	0.47	✓		QC
Hab. Dist. (a)	0031	015201						N/S							QC
Hab. Dist. (15)	0032	015201					SS	13794	3.36	2.93	8.07	3.73	✓		QC
Pandick Calif. (a)	0033	015201					2-K	18491	1.03	0.41	7.92	3.24	✓		QC
Pandick Calif. (15)	0034	015201						N/S							QC
Pandick Calif. (c)	0035	015201						N/S							QC
Ecobloc (a)	0036	908423					SS	17238	1.18	0.48	6.58	5.38	✓		QC
Ecobloc (a)	0037	908423					SS	11941	8.73	0.73	6.43	4.83	✓		QC
Ecobloc (c)	0038	908423					7	12783	9.15	0.53	14.36	9.07	✓		QC
Ecobloc (a)	0039	908423					SS	12372	12.80	2.10	7.69	2.96	✓		QC

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES BENNETT
JIM BENERO

JAY TAN

DEQ051460

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US V. MSP Releaseable
PRODUCED BY MSP 9/93
BOX 5 REQUEST
HARRISON, Howard 11-55
JAN 28 1994 12-14-93 11-55

MSDO54

14937

ARTILL, SIMUL PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 1-3-70

PAGE 1 OF 2

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	BTU/LB.	ASH %	WATER %	ACID SCLUR	NITROGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
1507	1507	016263					19206	41	0.00	7.61	1.08	✓		T.H.
1508	1508	016274					14337	38	0.00	6.38	1.74	✓		"
1509	1509	016279					21272	2.08	0.00	5.91	1.35	✓		"
1510	1510	016280					N/A							"
1511	1511	015263					16218	1.26	0.00	6.28	1.71	✓		T.H.
1512	1512	016265					17436	2.91	0.00	5.71	1.39	✓		"
1513	1513	016265					17288	40	0.00	7.61	2.48	✓		"
1514	1514	015349					17218	2.23	0.00	2.48	1.91	✓		"
1515	1515	015249					16947	2.66	0.00	6.91	2.77	✓		"
1516	1516	015266					16881	3.08	0.00	6.36	2.63	✓		"
1517	1517	015248					8184	2.71	0.00	6.71	1.38	✓		"
1518	1518	016273					17264	2.71	0.00	6.74	2.48	✓		"
1519	1519	016273					N/A							"
1520	1520	015272					2140	1.26	0.00	2.81	2.93	✓		T.H.
1521	1521	015238					N/A							"
1522	1522	015126					75	41	1.38	11.48	5.92	✓		T.H. #2641-5.8620
1523	1523	015100					75	41	44	13.00	7.64	✓		#3291-7.21
1524	1524	015100					410	106	0.00	9.9	1.7	✓		T.H. #2641-2.5192

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT #
CHARLES BENNETT
JIM BENNETT

JAN 1970

DECO51461

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U.S. V. MSP
PRODUCED BY MSP 9/93
PROJECT #
14993 F
Manifested with all by MS

MSD054

14993 F

MARTINE SIMALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 1-3-70

PAGE 2 OF 2

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	ANAL.	WATER %	ACID SCRUB	HALOGEN	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
F Shippers	1525	019947				S	10621	1.27	0.00	6.91	1.38	✓		T.H.
F Shippers	1526	019947				S	12127	2.08	0.93	2.64	1.77	✓		"
F Shippers	1527	019947				S	13691	1.50	6.38	6.10	1.29	✓		T.H.
hen. Poll.	1528	918889				S	17725	23.18	0.00	3.65	20.20	✓		IC - ignites w/spark
EX - Crawley, La	1529	015105				4.53	20379	0.00	12.65	12.32	6.22	✓		Additional Hal.
EX - Crawley, La	1530	015101				4.18	51294	0.00	1.30	12.89	6.98	✓		Additional Hal.
EX - Crawley, La	1531	015102				3.97	18765	0.00	1.17	13.21	7.05	✓		Additional Hal.
EX - Crawley, La	1532	013709				5.93	17425	0.00	12.68	4.37	0.92	✓		Additional Hal.
EX - Crawley, La	1533	013710				5.61	16521	0.00	0.73	5.33	1.20	✓		Additional Hal.

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES DENNETT
JIM RENFROW

JAY TAN

DEQ051462

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US V. MRP
PRODUCED BY MRP 9/93
REQUEST 6/1/93
JAY TAN
JIM RENFROW

MSD054

1494

U.S. V. MRP Releaseable
PRODUCED BY MRP 9/53
REQUEST # 5
Walter H. Anderson, Jr.
President, Bell & Howell Co.

MSDOS 4

1995

Shirley M. Johnson, nee

DATE/CATEGORY/CLASS RATE DAILY REPORT

Time 2:30-90

[illegible]

DEF0051843

Malco State Processors, Inc.

LIME/CAUSTIC FLOW RATE DAILY REPORT

Date 7.3.90

ANALYST	TIME	30		20		OIL TANK		WATER		LIME CONCENTRATION (%)	CAUSTIC CONCENTRATION (%)	LIME FLOW RATE	CAUSTIC FLOW RATE
		Halogen	Feed Rate	Halogen	Feed Rate	Halogen	Feed Rate	Halogen	Feed Rate				
JC	7:00 pm	338	14			345	4			70		.45	
JC	8:00 pm	328	13			343	3.5			70		.41	
JC	9:00 pm	334	16			344	4			70		.57	
JC	10:00 pm	333	17			347	3.5			70		.53	
JC	11:00 pm	330	17			345	0			70		0.50	
7-4-90													
95	12:00 am	347	17			341	0			70		0.52	
95	1:00 am	340	20			354	0			70		0.60	
95	2:00 am	338	18			349	0			70		0.54	
95	3:00 am	343	20			356	2.5			70		0.63	
95	4:00 am	323	18			356	3			70		0.54	
95	5:00 am	331	15			353	2.5			70		0.58	
95	6:00 am	331	14			350	2.1			70		0.59	

DE0031464

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US V. MAP
Produced by MAP 9/93
Releasable
Box 95
Request
Gaither, Haggard's, West
Piedmont, Pa. 15068-0095

MSD054

1496 L

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U.S. MAP
PRODUCED BY MSP-9/93
RELEASABLE
REQUESTED BY
MSP-9/93
1497 F

MSD054

DATE: 1-3-10
DATE: 2-5-90

DAILY LABORATORY REPORT
DAILY LABORATORY REPORT

MARTINE SHALE PROCESSORS, INC.
MARTINE SHALE PROCESSORS, INC.

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	PH	WATER %	ACID SCRUB	HALOGEN	COMPATIBLE		COMMENTS
			L	S	D						YES	NO	
SK: Crowley	1534	015103				75	5.35	0.93	10.21	5.16	✓		TH #2PHLS-21
	1535	015103				75	5.35	3.26	7.21	4.21	✓		
P. R. R.	1536	016726				75	8	0.00	6.91	1.28	✓		"
	1537	017952				75	5.35	5.24	7.16	2.09	✓		
Delaware Container	1538	017952				75	5.35	6.91	2.8	5.20	✓		"
	1539	017952				75	5.35	0.00	7.41	2.71	✓		
Delaware Container	1540	017952				75	5.35	0.00	5.29	1.02	✓		"
	1541	016058				75	5.35	0.00	6.21	1.71	✓		
U.E. Solvents	1542	015197				75	8	91.73	1.3	4.20	✓		"
	1543	015197				75	5.35	3.86	7.29	3.01	✓		
U.E. Solvents	1544	015197				75	9	8.82	2.6	9.15	✓		"
	1545	015197				75	5.35	0.00	5.69	1.77	✓		
U.E. Solvents	1546	015197				75	5.35	0.00	5.16	1.9	✓		"
	1547	015197				75	5.35	0.00	1.2	5.05	✓		
U.E. Solvents	1548	015197				75	5.35	0.00	1.3	5.10	✓		"
	1549	015197				75	5.35	0.00	1.3	5.10	✓		
U.E. Solvents	1550	015197				75	5.35	0.00	1.3	5.10	✓		"
	1551	015197				75	5.35	0.00	1.3	5.10	✓		
U.E. Solvents	1552	015197				75	5.35	0.00	1.3	5.10	✓		"
	1553	015197				75	5.35	0.00	1.3	5.10	✓		

DEMOS1465

DISTRIBUTION: ST. ROSE SATIS OFFICE
BATON ROUGE GEORGE FIDRANCE
PLANT CHARLES ARTHUR

1497 F

DATE: 7-5-90

PAGE 2 OF 2

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	BTU/LB	ASL %	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
V.E. Solvents (D)	1553	015199					N/S							T.H.
E.W.R.	1551	013948			SS		13148	1.71	3.68	6.29	2.08			T.H.
Tricil (A)	1554	905215					N/S							
Tricil (B)	1555	905215			SS		8271	3.68	12.61	2.21	1.93			T.H.
Tricil (C)	1556	905215					N/S							
3M	1555	014387			SS		<10	100	83.64	.28	<.15			T.H.
Dynchem	1557	9116022			S		8341	1.71	0.00	5.21	1.77			"
Dynchem	1559	911325			S		8896	1.68	0.00	5.68	1.63			"
Magnolia Cleaners	1560	015452					7843	1.71	1.93	16.49	12.28			T.H.
Majon Blanche	1561	014581			6	75	17188	.46	0.00	2.21	1.68			"
Super Cleaners	1562	911364			7	>140	8211	1.68	2.91	13.21	11.73			T.H.
G-SX-Crowley (A)	1563	015092			S		12643	1.39	3.27	6.18	1.39			
G-SX-Crowley (B)	1564	015092			S		4281	1.36	8.28	41.63	38.71			#2 halogen 1.72
G-SX-Crowley (C)	1565	015092			13	>140	<10	Liquid	96.38	.26	<.10			
Chem Co. & Co.	1566	015249			7	>140	9753	6.92	3.49	3.12	1.61			QC
Air Guide	1567	9003154												
Spec Tech Systems	1568	014411												
Chem Co.	1569	016527			S		7849	42.03	0.13	7.31	4.52			QC

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES BENNETT
JIM RENTFROE

JAY TAM

DEQ051466

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PRODUCED BY MSP 9/93
BOX 5 REQUEST
William Fitzgerald's wife
manifested pain last Apr. 1993

MSDO54

1498

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U.S. v. MSP

Release

PRODUCED BY AARP 9/03

BOX 3 REQUEST 4
LATHAM HAZARDUS WASTE
MANIFEST PULLMAN BITE MEDS

MSDO54

THE

2114 for: Able Process, Inc.

THE/CAIRO: LOW RATE DAILY REPORT

DATE 7-5-90

[illegible]

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PRODUCED BY MSP 9/93
BOX 65 REQUEST #
Location: Harvard's West
main street, near 1st St. NW

MSD054

100

15, rue Stale Processors, Inc.

LIBRARY/CLERICAL: FLOW RATE: DAILY REPORT

DATE 7.5.90

DATE	TIME	20		20		OIL TANK		CHILLED WATER		LINE CONCENTRATION (%)	CAUSTIC CONCENTRATION (%)	LINE FLOW RATE	CAUSTIC FLOW RATE
		Halogen	Feed Rate	Halogen	Feed Rate	Halogen	Feed Rate	Halogen	Feed Rate				
8/1	7:00 pm	Ø		4.55	22			70				.25	
8/1	8:00 pm	Ø		4.61	23			70				.26	
8/1	9:00 pm	Ø		4.57	23			70				.26	
8/1	10:00 pm	N/F	0.74	4.55	26			70				.39	
8/1	11:00 pm		5.05	20	4.56	20		70				0.25	
8/1	7-6-90												
9/1	12:00 am		5.05	25	4.44	26		70				0.32	
9/1	1:00 am		5.05	21	4.49	27		70				0.33	
9/1	2:00 am		5.05	10	5.44	23		70				0.33	
9/1	3:00 am		5.05	8	4.74	7		70				0.10	
9/1	4:00 am		2.57	15	4.02	10		70				0.18	
9/1	5:00 am		2.61	14	4.73	11		70				0.21	
9/1	6:00 am		2.67	20	5.81	4.5		70				0.18	

ARKIM SHALE PROCESSORS, INC.

PAGE 1 OF 1

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASII POINT (°F)	BTU/LB	ASH %	WATER %	ACID SCRIB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
11 10:00AM					5.38		17948	4.3	2.68	8.13	4.08			
1 12:00PM					5.31		12633	3.8	2.31	8.91	4.63			
1 2:00PM					5.43		17421	4.0	3.05	9.26	4.56			
1 4:00PM					5.46		17387	4.3	2.98	9.21	4.51			
1 6:00PM					5.44		17293	4.5	3.02	9.24	4.54			
1 8:00 PM					5.42		17347	4.2	3.10	9.27	4.61			
1 10:00 PM					5.47		17126	5.3	3.08	9.22	4.55			
1 (12:00 am)	7/6190				5.64		17352	4.3	4.48	8.17	4.44			
1 (2:00 am)					5.48		17935	3.15	2.75	10.38	5.44			
1 (4:00 am)					5.46		17956	3.53	3.78	7.99	4.02			
1 (6:00 am)					5.62		18273	4.3	2.81	10.19	5.31			

1841

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BOX 5 REQUEST
WATSON, Margaret
MURKIN, Paul Lee, JR.

MSD054

15027

MARINE SHALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 7-5-90

PAGE 1 OF

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	BTU/LB	ASH %	WATER %	ACID SCRIB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
GSK-Crowley	1534	015103				535	18749	.28	0.93	10.31	5.16	✓		T.H. #20H521
General Engines	1535	1179529				5	12173	1.26	3.96	7.21	4.21	✓		"
A.R.R.	1536	0162726				8	12143	.68	0.00	6.91	1.28	✓		"
Delaware Container	1537	1179503				55	8681	3.96	5.24	7.16	2.09	✓		"
Delaware Container	1538	1179575				5	<10	100	6.91	.28	<20	✓		"
Delaware Container	1539	1179575				55	16843	.63	0.00	7.41	2.21	✓		"
Delaware Container	1540	1179576				5	16191	1.21	0.00	5.29	1.02	✓		"
N.E. Solvents	1541	016658				5	12714	1.61	0.00	6.24	1.71	✓		"
N.E. Solvents (A)	1542	015197				8	>140	liquid	91.73	.31	<20	✓		"
N.E. Solvents (B)	1543	015197				5	10821	1.29	3.86	7.29	3.01	✓		"
N.E. Solvents (C)	1544	015197				9	>140	liquid	88.26	.28	<10	✓		"
N.E. Solvents (D)	1545	015197				5	7611	3.73	0.00	5.59	1.77	✓		"
N.E. Solvents (A)	1546	015198				5	16218	1.71	0.00	5.16	.91	✓		"
N.E. Solvents (B)	1547	015198				5	<10	100	0.00	.21	<10	✓		T.H.
N.E. Solvents (D)	1548	015198					N/S							
N.E. Solvents (A)	1549	015199				7	>140	liquid	96.38	.31	<10	✓		"
N.E. Solvents (B)	1550	015199					N/S							
N.E. Solvents (C)	1552	015199				7	>140	liquid	91.94	.31	<10	✓		T.H.

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BARBARA ARABIEBATON ROUGE
GEORGE ELDREDGEPLANT
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JAY TAN

DECO051471

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REPRODUCTION
REQUEST
Citation: 15003
Manifest: 15003
15003

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15003

MARTIN SMALL PRODUCTIONS, INC.

DAILY LABORATORY REPORT

DATE: 11/11/73

PAGE 1 OF 2

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	ASLT %	WATER %	-ACID SCRUB %	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
V.E. Environmental (A)	0070	1115395			/	S	<16	100	8.61	.27	.06	✓		TH
V.E. Environmental (A)	0071	1115395			/	S	14328'	1.26	0.00	6.39	2.38	✓		"
V.E. Environmental (D)	0072	1115395			/	S	6742	6.48	3.91	5.28	1.43	✓		"
V.E. Environmental	0073	1115396			/	S	13222	1.19	0.00	6.41	2.43	✓		"
David Gold	0074	907141			/		N/S							"
David Gold	0075	908032			/	6	5140	100	100	.38	.12	✓		"
Mulco Plastics	0076	012252			/	4 1/4	75	1.24	0.00	6.31	1.28	✓		"
Cyclo Products	0077	910131			/	4 1/4	2140	1.28	23.61	5.99	2.34	✓		"
S. Calif. Edison	0078	910132			/	SS		2.43	31.29	6.28	.93	✓		"
Rivchem (A)	0079	918257			/	S		1.06	0.00	5.93	.82	✓		"
Rivchem (B)	0080	918257			/	S		2.13	0.00	7.23	1.48	✓		"
Rivchem (C)	0081	918257			/	S		1.46	0.00	13.28	9.49	✓		"
Rivchem (D)	0082	918257			/	S		2.43	0.93	12.45	11.03	✓		"
Rivchem (A)	0083	918258			/	7	2140	100	85.43	.28	.06	✓		"
Rivchem (B)	0084	918258			/	S		100	3.68	.43	.14	✓		"
Rivchem (C)	0085	918258			/	S		1.06	0.00	6.29	1.32	✓		"
CSX-Ohio	0086	918258			/	SS		2.64	13.35	6.98	2.04	✓		"
V.E. Technology	0087	918256			/	S		2.63	0.00	5.68	1.40	✓		"

DISTRIBUTION: ST. ROSE
SALES OFFICE
DAPHNA ARADIE

BATON ROUGE
GEORGE ELDREDGE

PLANT 1
CHARLES BENNETT
JIM RENFROE

JAY TAY

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1507 F

URL: 5-30-70

PAGE 1 OF 2

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	DTG/LR	ASL %	WATER %	-ACID SCHRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
Breath	0035	706174				5	10329	2.19	0.00	4.30	1.53	✓	✓	After changing unit - water taken from tank - found no H ₂ O in sample.
	0046	011667				7	<10	100	87.96	.56	.16	✓	✓	" "
A-100 Chemical	0047	013170				5	19475	1.33	0.00	7.28	2.61	✓	✓	" "
	0048	70857				5	7431	1.28	0.00	5.31	1.14	✓	✓	" "
Inhibitors Recovery (A)	0049	908056				5	10371	12.39	0.00	6.26	1.39	✓	✓	" "
Inhibitors Recovery (C)	0050	908056				5	6438	1.61	0.00	5.20	.81	✓	✓	" "
Inhibitors Recovery (D)	0051	908056				5	12943	1.23	0.00	8.21	3.96	✓	✓	" "
G. T. A.	0052	011811				5	<10	100	0.00	.33	.07	✓	✓	" "
	0053	011811				7	<10	100	0.00	.41	.10	✓	✓	" "
G. T. A.	0054	011811				7	<10	100	83.26	.41	.13	✓	✓	" "
	0055	011811				55	7431	1.26	38.88	5.29	1.08	✓	✓	" "
Machin Int.	0056	907955				5	8994	13.04	0.00	16.99	3.76	✓	✓	QC, TB, EB
Machin Int.	0057	907955				13	<10	100	87.04	0.93	0.13	✓	✓	QC, TB, EB
Machin Int.	0058	907955				5	8734	19.13	0.00	0.87	0.07	✓	✓	QC, TB, EB
Machin Int.	0059	907955					N/S					✓	✓	QC, TB, EB
Machin Int.	0060	907955					N/S					✓	✓	QC, TB, EB
Machin Int.	0061	907955					N/S					✓	✓	QC, TB, EB
Machin Int.	0062	907955				7	14635	0.00	0.61	6.09	1.31	✓	✓	QC, TB, EB

PLANT, CHARLES DENNETT,
JIM RENFROE

JAY TAN

DEQ051478

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BOX # 5 REQUEST #
Letter to Raymond J. West
manuscript, Dec 10, 1978, NYLTS

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1500

US V. MSP Releasable
PRODUCED BY MSP 9/93
BOX 5 REQUEST #
UNITED STATES DISTRICT COURT
MAY 1994 PACIFIC J. BY 11015

1507

MARTINE SHALL PROCESSORS, INC.

[illegible]

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

ARITH SIMIL PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 1-2-76

PAGE 1 OF 1

Plant 011

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	ACID %	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
711 (8:00 AM)						691	17193	.48	1.61	8.21	3.63			
711 (10:00 AM)						679	17361	.45	1.51	8.01	3.79			
711 (11:00 AM)						686	17060	.51	1.39	8.29	3.50			
711 (3:00 PM)						671	17291	.61	1.33	8.56	3.82			
711 (4:00 PM)						675	17143	.69	1.27	8.52	3.48			
711 (6:00 PM)						672	17215	.62	1.31	8.47	3.41			
711 (8:00 PM)						678	17227	.59	1.39	8.41	3.43			
711 (10:00 PM)						675	17131	.63	1.41	8.50	3.47			
711 (12:00 AM)	7/4/50					641	17438	.52	1.28	8.71	3.61			
711 (2:00 AM)						138	16991	.43	1.63	8.47	3.49			
711 (4:00 AM)						627	17231	.42	1.59	8.68	3.56			
711 (6:00 AM)						618	17243	.42	1.63	8.53	3.50			

DISTRIBUTION: ST. ROSE
SALES OFFICE
DARBARA ARABIE

DATON ROUGE
GEORGE ELDREGE

PLANT
CHARLES DENHITT
JIM RENFROW

JAY TANI

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15 10 F

INVESTIGATIVE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 7/1/90

PAGE 1 OF 3

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	ASH %	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
SX; Crowley, La.	1375	015086				6.09	19,974	1.23	3.67	8.39	3.77	✓		halogen resin 3.82
	1376	920661				SS	410	100	5.21	.86	4.15	✓		
	1377	920822				SS	410	100	3.00	.31	4.15	✓		
	1378	920827				SS	410	100	4.62	.41	4.15	✓		
SX; Crowley, La.	1379	920821				SS	410	100	4.01	.27	4.15	✓		
	1380	920823				SS	410	100	3.79	.19	4.15	✓		
	1381	015087				5.82	21,677	1.19	1.25	11.53	4.38	✓		halogen resin 4.51
	1382	015085				6.30	20,310	1.24	1.14	7.68	3.72	✓		halogen resin 3.86
SX; Crowley, La.	1383	920829				SS	410	100	5.67	.22	4.15	✓		
	1384	920825				SS	410	100	4.23	.24	4.15	✓		
	1385	015088				5.69	20,405	1.15	1.37	11.99	5.82	✓		halogen resin 5.96
	1386	920824				SS	410	100	6.91	.25	4.15	✓		
SX; Crowley, La.	1387	016009				SS	410	100	15.46	.37	4.15	✓		
	1388	016005				SS	22,994	5.8		11.25	2.58	✓		
	1389	919153				SS	410	100	1.23	.21	4.15	✓		
	1390	920828				SS	410	100	1.37	.26	4.15	✓		
SX; Crowley, La.	1391	919154				SS	410	100	1.15	.19	4.15	✓		
	1392	919155				SS	410	100	1.93	.27	4.15	✓		

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES BENNETT
JIM RENFROE

JAY TMI

DERO51478

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US V. MSP
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REQUEST
CROWLEY, LA
MONTGOMERY, ALA
MONTGOMERY, ALA

MSD054

1512 F

UNITED SHALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 7/11/90

PAGE 2 OF 3

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	ASTM %	WATER %	ACID SCRUM	HALOGEN	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
WP	1393	9/19/58				SS	<10	100	1.86	.14	<15	✓		
WP	1394	9/19/56				SS	<10	100	10.60	.19	<15	✓		
WP	1395	9/19/57				SS	<10	100	12.18	.27	<15	✓		
WP	1396	9/19/59				SS	<10	100	8.96	.22	<15	✓		
WP	1397	015984				SS	<10	100	9.43	.26	<15	✓		
United Technologies	1398	9/10/40				SS	<10	100		.31	<15	✓		
United Technologies	1399	9/10/40				SS	N/S							
United Technologies	1400	9/10/40				SS	<10	100		.27	<15	✓		
United Technologies	1401	9/10/40				SS								
United Technologies	1402	905644				SS	6994	38.39		14.61	<15	✓		
United Technologies	1403	905644				SS	<10	100		.33	<15	✓		
United Technologies	1404	011273				SS	5/06	26.35		6.36	<15	✓		
United Technologies	1405	011273				SS								
WP	1406	012954				SS	<10	100	7.17	.81	<15	✓		
WP	1407	585510				SS	<10	100	5.61	.14	<15	✓		
WP	1408	156210				SS	<10	100	5.5	.11	<15	✓		
WP	1409	756210				SS	<10	100	6.72	.61	<15	✓		
WP	1410	812955				SS	<10	100	4.7	.38	<15	✓		

DISTRIBUTION: ST. ROSE
SALES OFFICE
BAYDARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES DENNETT
JIM RENFROE

JAY TAY

DEG051479

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US V. MSP
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REQUEST 11/93
LAWSON, L. A. 11/93
MSP 11/93

MSD054

1513

MARINE SHALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 7-1-70

PAGE 3 OF 3

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION		FLASH POINT (°F)	INTU/ID	ASH %	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S D							YES	NO	
SWP	1411	012952			5	410	14.5	5.18	0.31	0.15	✓		QC
SWP	1412	015986			5	410	14.5	6.53	0.40	0.15	✓		QC
SWP	1413	012760			5	410	14.5	7.78	0.37	0.15	✓		QC
SWP	1414	015392			5	410	14.5	6.36	0.34	0.15	✓		QC
SWP	1415	015991			5	410	14.5	7.13	0.38	0.15	✓		QC
N.E. Solvents	1416	016370			55	8200	34.06	0.27	4.00	0.88	✓		QC - Ignites w/ sparks
N.E. Solvents	1417	016370			5	12915	20.73	0.23	5.62	2.46	✓		QC
Petro. Poly. Outlets	1418	010370			55	13.620	6.32	0.18	4.53	1.94	✓		QC
SWP	1419	015987			5	410	14.5	5.47	0.33	0.15	✓		QC - Supplied
SWP - Chattanooga, TN	1424	014235			5	8305	29.66	6.75	3.74	0.46	✓		QC - w/ Ceresate
SWP - Chattanooga, TN	1425	014237			5	8671	28.99	5.43	3.74	0.50	✓		QC "
SWP - Chattanooga, TN	1426	014236			5	7357	38.43	2.51	3.13	0.41	✓		QC "
SWP	1427	920826			5	410	14.5	4.21	0.39	0.15	✓		QC
SWP	1428	016060			5	410	14.5	7.98	0.35	0.15	✓		QC
SWP	1429	012929			5	410	14.5	6.91	0.33	0.15	✓		QC
SWP	1430	015952			5	410	14.5	5.54	0.39	0.15	✓		QC
Am. Resource Corp	1431	016778			5	4956	55.33	0.13	1.51	0.36	✓		QC
SWP	1432	015973			5	410	14.5	7.27	0.37	0.15	✓		QC

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIEBATON ROUGE
GEORGE ELDREDGEPLANT
CHARLES DENNETT
JIM RENFROW

JAY TAN

DEQ051480

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U.S. V. M.D. RELEASEABLE
PRODUCED BY MAR 9/73
PROJECT 16-100-10000
NOT RECORDED
MAR 9/73
MAR 9/73
MAR 9/73

MSD054

15 14

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U.S. V. MRP
PRODUCED BY MRP 9/92
REQUEST 1/1/93
Caitlin Haggard, MRP
PRODUCED BY MRP 9/92

MSD054

15 15

Marine Shale Processors, Inc.

LIME/CAUSTIC FLOW RATE DAILY REPORT

Date 7-1-90

MINUT	TIME	30		20		OIL TANK		LIME CONCENTRATION (%)		CAUSTIC CONCENTRATION (%)	LIME FLOW RATE	CAUSTIC FLOW RATE
		Halogen	Feed Rate	Halogen	Feed Rate	Halogen	Feed Rate					
96	7:00 pm			50.15	30	4.39	18	70			0.24	
96	8:00 pm			50.15	30	4.37	20	70			0.26	
96	9:00 pm			50.15	30	4.25	20	70			0.25	
96	10:00 pm			50.15	30	4.01	21	70			0.25	
96	11:00 pm			50.15	30	4.19	22	70			0.17	
	7-2-90											
96	12:00 am			50.15	0	3.90	22	70			0.21	
96	1:00 am			50.15	0	3.96	21	70			0.21	
96	2:00 am			50.15	0	3.98	21	70			0.21	
96	3:00 am			50.15	0	3.94	21	70			0.21	
96	4:00 am			50.15	20	2.73	22	70			0.18	
96	5:00 am			50.15	25	3.36	22	70			0.22	
96	6:00 am			50.15	52	2.59	22	70			0.19	

184150000

US V. MWP Releaseable
PRODUCED BY MWP 9/93
----- REQUEST -----
Box 5 - Hazardous Waste
Unit - Hazardous Waste
Transfer Unit - 8/93

1519

DISISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARRABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES BENNETT
JIM BENEFIOR

JAY TAMI

DEQ031482

DATE: 7-1-82

DAILY LABORATORY REPORT

SHAW-WALKER SIGNAL PROCESSORS, INC.

PAGE 1 OF 1

[illegible]

US V. MSP Released
PRODUCED BY MSP 9/93
BOX 65 REQUEST
UNITED STATES DISTRICT COURT
WEST PALM BEACH, FLA

15177

147 148

DEQ051483

UML: 27-1-1

PAGE 1 OF 1

[illegible]

PRINIC SIMILE PROCESSORS, INC.

DAILY MANUFACTURING REPORT

DATE: 7-2-70

PAGE 1 OF 5

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/111	ASH %	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
W.P.	1433	015990					< 10	63.0	7.48	0.34	0.15	✓		QC - ignites w/
W.P.	1435	010941					28.65	62.8	0.05	1.35	0.75	✓		QC - sparks
W.P.	1434	013982					< 10	100	6.91	0.38	0.05	✓		QC
W.P.	1436	014231					< 10	100	57.95	0.31	0.15	✓		QC - KOOL
W.P.	1437	016006					< 10	100	8.19	0.29	0.15	✓		QC
W.P.	1438	016005					< 10	100	8.74	0.36	0.15	✓		QC
W.P.	1439	016007					< 10	100	7.83	0.32	0.15	✓		QC
W.P.	1440	014230					83.11	22.23	4.99	3.27	0.48	✓		QC - KOOL
W.P.	1442	015995					< 10	100	8.23	1.34	0.15	✓		T.H.
W.P.	1443	015999					< 10	100	8.31	1.28	0.15	✓		T.H.
E. Envisicemental	1420	1115400					7.148	2.16	0.00	5.93	1.21	✓		"
E. Envisicemental	1421	1115400					18603	2.23	0.91	5.60	1.51	✓		"
E. Envisicemental	1422	1115400					2140	4.04	84.61	1.39	0.10	✓		"
E. Envisicemental	1423	1115400					2261	1.77	0.00	5.68	1.23	✓		"
E. Solvents	(a) 1444	015183					75	1.08	26	4.97	1.28	✓		"
E. Solvents	(b) 1445	015183					75	2.16	1.06	19.80	7.88	✓		"
E. Solvents	(c) 1446	015183					11745	2.71	8.66	6.31	1.71	✓		"
E. Solvents	(d) 1447	015183					20354	6.3	7.39	5.53	1.89	✓		"

DISTRIBUTION: ST. ROSE
SALES OFFICE
BARBARA ARABIE

BATON ROUGE
GEORGE ELDREDGE

PLANT
CHARLES BENNETT
JIM BENFON

JAY TAN

DEQ031484

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US V. MSP
PRODUCED BY MSP 9/93
REQUIRE
LAWYER
MANIFEST

MSD054

1519

DATE: 7-2-80

DAILY LABORATORY REPORT

HAIRIE SHALE PROCESSORS, INC.

PAGE 2 OF 5

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LD	ASPH	WATER	ACID SCRUB	HALOGEN	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
J.E. Solvents	1448	015196					N/S							
J.E. Solvents	1449	015196					015196							
J.E. Solvents	1450	015196					015196							
J.E. Solvents	1451	015196					N/S							
J.E. Solvents	1452	015196					015196							
J.E. Solvents	1453	015196					N/S							
J.E. Solvents	1454	015196					8163							
J.E. Solvents	1455	015196					015196							
J.E. Solvents	1456	015196					015196							
J.E. Solvents	1457	015196					015196							
J.E. Solvents	1458	015196					015196							
J.E. Solvents	1459	015196					015196							
J.E. Solvents	1460	015196					015196							
J.E. Solvents	1461	015196					015196							
J.E. Solvents	1462	015196					015196							
J.E. Solvents	1463	015196					015196							
J.E. Solvents	1464	015196					015196							
J.E. Solvents	1465	015196					015196							
J.E. Solvents	1466	015196					015196							
J.E. Solvents	1467	015196					015196							
J.E. Solvents	1468	015196					015196							
J.E. Solvents	1469	015196					015196							
J.E. Solvents	1470	015196					015196							
J.E. Solvents	1471	015196					015196							
J.E. Solvents	1472	015196					015196							
J.E. Solvents	1473	015196					015196							
J.E. Solvents	1474	015196					015196							
J.E. Solvents	1475	015196					015196							
J.E. Solvents	1476	015196					015196							
J.E. Solvents	1477	015196					015196							
J.E. Solvents	1478	015196					015196							
J.E. Solvents	1479	015196					015196							
J.E. Solvents	1480	015196					015196							
J.E. Solvents	1481	015196					015196							
J.E. Solvents	1482	015196					015196							
J.E. Solvents	1483	015196					015196							
J.E. Solvents	1484	015196					015196							
J.E. Solvents	1485	015196					015196							
J.E. Solvents	1486	015196					015196							
J.E. Solvents	1487	015196					015196							
J.E. Solvents	1488	015196					015196							
J.E. Solvents	1489	015196					015196							
J.E. Solvents	1490	015196					015196							
J.E. Solvents	1491	015196					015196							
J.E. Solvents	1492	015196					015196							
J.E. Solvents	1493	015196					015196							
J.E. Solvents	1494	015196					015196							
J.E. Solvents	1495	015196					015196							
J.E. Solvents	1496	015196					015196							
J.E. Solvents	1497	015196					015196							
J.E. Solvents	1498	015196					015196							
J.E. Solvents	1499	015196					015196							
J.E. Solvents	1500	015196					015196							

DEMO51485

PLANT CHARLES BENNETT
JIM RENFRO

DATON ROUGE
GEORGE ELDREDGE

ST. ROSE
SALES OFFICE
BARBARA ARABIE

MANITO STALE PROCESSORS, INC.

DAILY FABRICATING REPORT

DATE: 7-2-90

PAGE 3 OF 5

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTI/ID	ASH %	WATER %	ACID SCRUM	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
W.P.	1468	100004				S	2.0	100	7.01	5.9	2.15	✓		RC
W.P.	1470	100010				S	2.0	100	8.01	5.0	2.15	✓		"
X.S.	1466	100010				S	126.41	8.41	0.50	5.91	1.68	✓		TH
X.S.	1467	100010				S	95.85	1.71	6.39	5.73	1.41	✓		"
W.P.	1469	100010				S	144.73	8.11	8.26	5.23	2.19	✓		"
X.S.	1471	100010				S	144.73	6.0	8.02	10.16	5.81	✓		" #2 42 15.18
W.P.	1472	100010				S	2.0	100	7.01	4.1	2.15	✓		"
W.P.	1473	100010				S	0.7	0.01	6.27	3.8	5.17	✓		"
W.P.	1474	100010				S	0.7	0.01	10.02	4.2	5.17	✓		RC
W.P.	1475	100010				S	6.79	2.2	1.02	4.48	20.15	✓		RC 100K
W.P.	1477	100010				S	7.31	20.04	1.31	1.74	5.107	✓		RC 100K
W.P.	1490	100010				S	158.67	26.13	0.00	3.65	20.20	✓		RC 100K 15.18
W.P.	1478	100010				S	174.25	0.05	1.74	7.94	3.68	✓		RC 100K 15.18
W.P.	1479	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1481	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1482	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1483	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1484	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1485	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1486	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1487	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1488	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1489	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC
W.P.	1490	100010				S	144.73	11.71	0.04	6.22	3.57	✓		RC

DEQ051486

DISTRIBUTION: ST. ROSE SALES OFFICE DARRARA ARABIE
 DATON ROUGE GEORGE ELDREDGE
 PLANT CHARLES BENNETT JIM REMFOR
 JAY TAN

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US V. MSP
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 REQUEST # 1
 BOX # 5
 HARRIS-EDWARDS, INC.
 Greater Portland Area Office

MSD054

1520

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U.S. MSP
PRODUCED BY MSP 9/93
REQUEST
Catalina Shale Processors, Inc.
Marathon Petroleum Corp. MSD054

MSD054

1521

MARTIN SIMALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 7-3-90

PAGE 4 OF 5

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	API #	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
C. Solvents (b)	1453	014721				55	610	14.3	38.36	0.35	0.15			QC
C. Solvents (c)	1454	014721				5	610	14.3	94.35	0.31	0.15			QC
C. Solvents (a)	1455	014721				5	4510	53.54	0.07	3.59	3.17			QC
C. Solvents (a)	1456	015111				4.63	19516	17.10	0.51	10.80	5.67			QC Additional #
C. Solvents (a)	1457	015533				55	19102	0.17	0.13	5.55	0.98			QC
C. Solvents (b)	1458	015533				55	610	14.3	37.64	0.37	0.15			QC
C. Solvents (c)	1459	015533				55	19131	0.17	52.11	5.59	1.04			QC
C. Solvents (a)	1460	015533				55	17521	0.17	0.19	6.77	0.98			QC
C. Solvents (a)	1461	015533				55	4378	32.82	18.41	1.35	0.81			QC
C. Solvents (a)	1462	015533				55	19501	0.17	0.12	5.49	0.95			QC
C. Solvents (a)	1463	015533				5	22338	0.17	0.13	3.08	1.19			QC
C. Solvents (a)	1464	015533				5	610	14.3	26.37	0.33	0.15			QC
C. Solvents (a)	1465	910264				5	610	14.3	13.81	0.34	0.15			QC
C. Solvents (a)	1466	910264				5	12104	5.45	0.47	9.12	6.48			QC
C. Solvents (a)	1467	910264				7	610	14.3	25.80	0.29	0.15			QC
C. Solvents (a)	1468	116281				8	610	14.3	94.36	0.37	0.15			QC
C. Solvents (b)	1502	116281				55	610	14.3	42.59	0.31	0.15			QC
C. Solvents (c)	1501	116281				5	610	42.59	0.02	4.41	2.57			QC

DISTRIBUTION: ST. ROSE SALES OFFICE DAPHNA ARMBIE

BATON ROUGE GEORGE ELUDRIDGE

PLANT CHARLES BENNETT JIM RENFROE

JAY TAN

DEQ051487

DISTRIBUTION: ST. ROSE
SALES OFFICE
DARBARA ARABIE

BATON ROUGE
GEORGE ELREDGE

PLANT
CHARLES BENNETT
JIM RENFRO

JAY TAN

DE0051487

MARINE SHALE PROCESSORS, INC.

MARINE SHALE PROCESSORS, INC.

DAILY LABORATORY REPORT

DATE: 7-2-70

PAGE 1 OF 1

Plant 2B

GENERATOR	SAMPLE #	No. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTU/LB	ASH %	WATER %	ACID SCRUB	HALOGEN %	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
B (5:00 AM)							5.10	100	6.81	.31	5.15			
B (10:00 AM)							5.15	100	7.24	.28	5.15			
B (2:00 PM)							5.15	100	8.29	.35	4.15			
B (3:00 PM)							5.17	100	6.36	.29	5.15			
B (4:00 PM)							5.12	100	7.03	.42	5.15			
B (6:00 PM)							5.10	100	6.83	.45	5.15			
B (8:00 PM)							5.10	100	7.79	.38	4.15			
B (10:00 PM)							5.10	100	8.21	.41	4.15			
B (12:00 AM)	7/2/50						5.10	100	6.49	0.44	10.15			
B (2:00 AM)							5.10	100	6.31	0.41	5.05			
B (4:00 AM)							5.10	100	6.50	0.38	10.05			
B (6:00 AM)							5.10	100	6.47	0.42	10.15			

DISTRIBUTION: ST. ROSE
SALES OFFICE
DARBARA ARABIEBATON ROUGE
GEORGE ELDREDGEPLANT
CHARLES BENNETT
JIM RENFROW

JAY TAMI

DEQ051489

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REQUESTED BY
6/10/93 - 10/10/93
PRODUCED BY MSP 9/93

MSD054

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US V. MAP
PRODUCED BY MAP 9/93
REQUEST
LAWRENCE H. GARDNER, JR.
PROBATE, California, 1993

MSD054

1524

DEG0051490

DISTRIBUTION: ST. ROSE SALES OFFICE BARBARA ARMBIE
BATON ROUGE GEORGE ELDREDGE
PLANT CHARLES BENNETT JIM RENFROE JAY TAMI

DATE: 1-2-90
PAGE 1 OF 1

DAILY LABORATORY REPORT
Plant Oil

MARTIN, STALE PRODUCTIONS, INC.

GENERATOR	SAMPLE #	NO. of Manifest	DESCRIPTION			FLASH POINT (°F)	RTI/ID	ASH %	WATER %	ACID SCRUB	HALOGEN	COMPATIBLE		COMMENTS
			L	S	D							YES	NO	
Generator #11 (8:00am)						208	18041	.21	2.60	6.93	3.28			
Generator #11 (10:00am)						221	17863	.62	3.84	6.71	3.23			
Generator #11 (12:00pm)						716	17596	.68	3.91	6.51	3.48			
Generator #11 (2:00pm)						689	17606	.71	2.76	6.89	3.59			
Generator #11 (4:00pm)						693	17821	.63	2.66	6.92	3.48			
Generator #11 (6:00pm)						686	17748	.67	2.87	6.81	3.54			
Generator #11 (8:00pm)						690	17615	.73	2.82	6.85	3.57			
Generator #11 (10:00pm)						681	17431	.82	2.54	6.87	3.53			
Generator #11 (12:00am)	7/2/90					622	21087		0.93	7.48	3.75			
Generator #11 (2:00am)						626	21312		0.89	7.09	3.55			
Generator #11 (4:00am)						633	20863		1.01	7.27	3.61			
Generator #11 (6:00am)						627	21202		2.88	7.02	3.58			

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US V. MAP
PRODUCED BY MAP 9/93
RECORDED
INDEXED
Box 15
Hazardous Waste
Manifest
1997
1997

MSD054

1997

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
HAZARDOUS WASTE DIVISION
P.O. BOX 44307
BATON ROUGE, LOUISIANA 70804
RECYCLE / REUSE
MANIFEST NO. 909096

Please print or type. (Form designed for use on either 12-pitch typewriter.) Form Approved, OMB No. 2050-0008 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	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 Franklin Equipment Council & Carter Road Franklin, VA 23351		71A10101311101913151713111012			
4. Generator's Phone (804) 552-6111 Contact: Dickie Stocks					
5. Transporter 1 Company Name LB Trookins, Inc.		71A10101311101913151713111012			
6. Transporter 1 US EPA ID Number					
7. Transporter 2 Company Name State Motor Transit		71A10101311101913151713111012			
8. Transporter 2 US EPA ID Number					
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		LA010101311101913151713111012			
10. Designated Facility US EPA ID Number					
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) (R.O.) Waste Paint related material R.O.S. Flammable Liquid 1253 (F+3)		003	09/14/97		
12. Containers No. Type					
13. Total Quantity					
14. Unit Wt/Vol					
15. Special Handling Instructions and Additional Information W.L. Black & Associates P.O. Box 1363 Chesapeake, VA 23520 Consultant: Ray Lopez JLEA Job #: FEA014-90-01 (304) 424-7325					
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 X FINEST VANNA		Signature X Ernest Vanna		Month Day Year 10/27/97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name W.T. Henaker Jr.		Signature W.T. Henaker Jr.		Month Day Year 10/27/97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID RANSON		Signature David Ranson		Month Day Year 10/27/97	
19. Discrepancy Indication Space DEQ051493					
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 Gail Leonard		Signature Phil Leonard		Month Day Year 10/27/97	

US V. MAD Releasable
PRODUCED BY MAP 9/93
BOX 5 REQUEST
Limitation to Records Release
mandated Dec 1994 11/25/95

MSD054

1111

**For MSP Use Only**

Approval Code WLVA/FEG/4001715

B. Customer Information

Company Name W.L. Black & Associates
Contact Harry C. Wheeler, Jr.
Address P.O. Box 1363
Chesapeake, VA 23320
Telephone No. (804) 424-7925
For Customer Use _____

☒ RCRA Regulated ☐ Land Ban ☐ Non-Regulated EPA Waste Code(s) F003

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

Toluene	5	10
Acetone	5	10
MEX	5	10
Mineral Spirits	5	10
Paint Pigments	60	65
N-Butyl Acetate	1	5

E. General Characteristics

Color: Gray

Odor: ☐ None ☒ Mild ☐ Strong

☐ Liquid ☒ Sludge ☐ Solid ☐ Powder

Phases: ☒ Single Layer ☐ Double Layer ☐ Multi-Layer

Is the waste:

Radioactive?	Y	<u>N</u>	Polymerizable?	Y	<u>N</u>
Infectious?	Y	<u>N</u>	Pyrophoric?	Y	<u>N</u>
Water Reactive?	Y	<u>N</u>	Explosive?	Y	<u>N</u>

Ash (Est actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Suspended Solids	pH
57.4	☐ <1 ☒ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)	☐ 2-6 ☒ 6-10
BTUs per lb	☐ 1-5 ☐ > 10	☒ 0.8-1.0 ☐ 1.4-1.7	Est actual in centipoise	☐ 5-20	☐ 10-12.5
(Est actual value)		☐ 1.0-1.2 ☐ > 1.7		☐ < 2 or > 12.5	
8,160	Est actual	Est actual	N/A cp	Est actual N/A	Est actual

Flash Point (closed cup)

☐ < 100°F ☐ > 200°F

☐ 100°-140°F ☐ _____ °F

☒ 140°-200°F equal

Sulfur (M %)
~~20~~ < 5
If > 5 find actual value

Halogens (Wt %)	<1	1-5	5-10	75-100 is actual Wt %
☐ Iodine	☒	☐	☐	_____
☐ Bromine	☒	☐	☐	_____
☐ Chlorine	☒	☐	☐	_____
☐ Fluorine	_____	actual	Wt %	_____

Metals: EP Toxicity Test (MGL)	
Arsenic (As)	N/S
Barium (Ba)	N/S
Cadmium (Cd)	N/S
Chromium (Cr)	N/S
Lead (Pb)	N/S
Mercury (Hg)	N/S

Selenium (Se) N/S
Silver (Ag) N/S
Copper (Cu) N/S
Nickel (Ni) N/S
Zinc (Zn) 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

DEF051494

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U.S. MSP
PRODUCED BY MSP 9/93
REQUIREMENT
FOR THE
PRODUCTION OF
MATERIAL DATA SHEETS

MSD054

1529 L

H. Notes, Additional Information or Special Handling Instructions

THE DATA ON THIS SHEET IS FOR THE
GENERATING PROCESS: 100 Paint Curtin Waste

Generating Process: 100 Paint Curtin 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 ☐ NA (circle one)
Proper Shipping Name R.O. Waste Paint Related Material NOS UN 1263
Hazard Class Combustible Liquid RG 1000
Anticipated Volume 5 Drums Gal Yds lbs ☐ Bulk? ☐ Rail?

Container Size Container Type
Per ☐ One Time ☐ One Year ☐ One Week ☒ One Month ☐ One 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 R. Stocks 2. James R. Stocks
Generator's Signature Name (Type or Print)
3. 2/28/90 4. Project Manager
Date Title

DEQ051495

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.

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

RECYCLE / REUSE
 MANIFEST NO. 008185

Form Approved OMB No. 2000-0072 Expires 9-30-91

1. Generator's US EPA ID No. 2. Page 1 of 1

UNIFORM HAZARDOUS WASTE MANIFEST

3. Generator's Name and Mailing Address
 Dominion Terminal Associates
 P.O. Box 967-A Newport News, VA 23507

4. Generator's Phone (804) 245-2275 Contact: John Davis

5. Transporter 1 Company Name 6. US EPA ID Number
 Tri State Motor Transit 101410191812171915101418

7. Transporter 2 Company Name 8. US EPA ID Number
 Tri State Motor Transit 101410191915191318191919

9. Designated Facility Name and Site Address 10. US EPA ID Number
 MARINE SHALE PROCESSORS, INC.
 HIGHWAY 90 EAST
 MORGAN CITY, LOUISIANA 70380 10141019181015171018

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol
No.	Type	
002	DR	09/110

15. Special Handling Instructions and Additional Information
 W.L. Black & Associates
 P.O. Box 1353 Chesapeake, VA 23320
 IF UNABLE TO DELIVER, RETURN TO GENERATOR
 Consultant: Doug Girard
 WLBAL JON 703 431-1111
 (804) 424-7025

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: GENE WARREN Signature: Gene Warren Month Day Year: 09/18/90

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: N.T. Honaker II Signature: N.T. Honaker II Month Day Year: 09/18/90

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: DAVID RANSON Signature: David Ranson Month Day Year: 10/6/12/1910

19. Discrepancy Indication Space
 DEQ051496

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
 Printed/Typed Name: Phil Leonard Signature: Phil Leonard Month Day Year: 09/27/90

EPA Form 8700-12 (Rev. 9-88) WHITE - RED GREEN - Gaseous YELLOW - TOXIC BLUE - Treated & Stowed

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US V. MSP
 PRODUCED BY MSP 9/93
 REQUEST # 1
 BOX 5
 HAZARDOUS WASTE
 PROTEST PUBLIC REL. BY MSP

MSD054

1530 F

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APR 23 1990

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

WLVA/DC/9001532

Approval Code 9001532

A. Generator Information

Generator Name Dominion Terminal Associates
Site Address P.O. Box 967-A
City Newport News State VA Zip Code 23607
Generator Contact John E. Davis
Title General Superintendent
Telephone No. 804 245-2275
Facility EPA ID No. VAP000004902

B. Customer Information

Company Name W. L. Black & Associates
Contact Harry C. Wheeler, Jr.
Address P.O. Box 1363
Chesapeake, VA 23320
Telephone No. (804) 424-7925
For Customer Use

C. Regulatory Information

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

D. Chemical Composition

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

Material	MIN	99
Grease		1
Coal Dust		

Common Name of Waste:

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? ☒
Infectious? Y ☒ N ☐ Pyrophoric? ☒
Water Reactive? Y ☒ N ☐ Explosive? ☒

G. Physical/Chemical Properties

Ash (Est actual Wt %)	Water (Wt %)	Specific Gravity	Viscosity	Total Suspended Solids
<u>3.3</u>	☒ <1 ☐ 5-10	☐ <0.8 ☐ 1.2-1.4	(for bulk liquids only)	(Wt % for bulk liquids only)
BTUs per lb	☐ 1-5 ☒ >10	☐ 0.8-1.0 ☐ 1.4-1.7	Est actual in centipoise	☐ 5-20 ☒ >20
(Est actual value)	Est actual	☐ 1.0-1.2 ☐ >1.7	cp	Est actual
<u>15,172</u>		Est actual <u>0.94</u>		

Flash Point (closed cup) ☐ <100°F ☒ >200°F ☐ 100°-140°F ☐ 140°-200°F actual °F
Sulfur (Wt %) ☐ <5 ☒ >5 Est actual value _____
Halogens (Wt %) ☐ Iodine ☒ Bromine ☒ Chlorine ☐ Fluorine actual Wt %
Organics (ppm) ☐ Endrin ☐ Lindane ☐ Methoxychlor ☐ Toxaphene ☐ 2,4-D ☐ 2,4,5-TP (Est actual) ☐ N/S ☐ 1/S ☐ 1/S ☐ 1/S ☐ 1/S ☐ 1/S

Metals: EP Toxicity Test (PAG/1)
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
If material contains compounds:
PCB N/S
Cyanides N/S
Sulfides N/S
Dioxin N/S

US V. MSP
PRODUCED BY MSP 9/90
REQUEST 1/15/90
W. L. Black & Associates
110 James Drive West
St. Rose, LA 70087

MSD054

1531

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U.S. MAP
PRODUCED BY MSP 9/93
RELEASABLE

Box 1-5
Hazardous Waste
Material Safety Data Sheet

MSD054

1532 L

Information or Special Handling Instructions

Generating Process: Equipment Lubrication

I. Reference Equipment and Procedure

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

J. Shipping Information

DOT Hazardous Material Proper Shipping Name: ☒ Y ☒ N Non-Hazardous Grease DOT LD. No. (circle one) UN/NA N/A
Hazard Class: Non-Hazardous RQ
Anticipated Volume: ☒ Drums ☐ Gal ☐ Yds ☐ Lbs ☐ Bulk? ☐ Rail?
Container Size: ☒ Gallon Container Type: 17H
Per: ☐ Ctl Size ☐ Week ☐ Month ☐ Year ☒ Other QT

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 negligent 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. John Davis
Generator's Signature

2. John Davis
Name (Type or Print)

3. 2/19/90
Date

4. General 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.

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 BY
Citation: Hazardous Waste Manifest, Serial No. MSD054

MSD054

1533 F

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

RECYCLE / REUSE
MANIFEST No 015616

Form Approved OMB No. 2060-0036, Expire 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 13161011312

2. Page 1 of 1

3. Generator's Name and Mailing Address: Friedman Paper BAY, 801 Commercial St, Los Angeles, 90051

4. Generator's Phone: (213) 628-2341

5. Transporter 1 Company Name: TRIAD TRANSPORT

6. US EPA ID Number: PK098V585771

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: LA D981057706

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number): NonRegulated

12. Containers: 207 WP 1/85 R #

13. Total Quantity: 1

14. Unit: Wt/Vol

15. Special Handling Instructions and Additional Information: Wear goggles and gloves

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.

17. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: X Robby D. FERRIS, Signature: Robby D. Ferris, Month Day Year: 06/26/90

18. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name: RICKY TURPIN, Signature: Ricky Turpin, Month Day Year: 06/26/90

19. Discrepancy Indication Space: DEQ051499

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: Gina Bassett, Month Day Year: 06/26/90

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST #
Box 15
Hatteras, NC 28540
marked with red ink marks

MSD054

1534

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET

MSP Approval Code
TAY /FBCO/8808313/ /

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: FRIEDMAN BAG COMPANY INC Telephone: (219) 628-2341 x.0000
Facility Address: P O Box 3067 Terminal Annex USEPA ID: CA0008236960
LOS ANGELES, CA 90012-0000

Name of Waste: EMPTY CONTAINERS Generating Process: _____
Technical Contact: MR. WARREN SIEGEL Title: _____

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) _____
Anticipated Volume: _____ Gals. _____ Cubic Yds. 1500 # 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 recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.

Name: Bobby D. FERRIS Signature: Bobby Ferris DEQ051500
Title: Asst. Plant Superintendent Date: 10-10-89

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

RECYCLE / REUSE ✓

MANIFEST NO 015624

Form Approved OMB No. 2050-0009, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. LA D 059227538011349		Manifest Document No. 1 of 1		2. Page 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Presbyterian Inter Hospital 12401 Washington Blvd Whittier, Ca. 90602				A. State Manifest Document Number			
4. Generator's Phone (213) 693-0811				B. State Generator's ID No.			
5. Transporter 1 Company Name Industrial Recovery				C. State Transporter's ID No.			
6. Transporter 1 US EPA ID Number PA0522519266				D. Transporter's Phone 714-931-1811			
7. Transporter 2 Company Name Tina Transportation				E. State Transporter's ID No.			
8. Transporter 2 US EPA ID Number PA0981588791				F. Transporter's Phone 93-456-497			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID No.			
10. US EPA ID Number LA D 981057706				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	
a. Waste flammable liquid, n.o.s.,/flammable/UH1993				60 / 8 FC00056		D001 ✓ R	
b. Hazardous waste solid, n.o.s.,/Orn-c/HA9139				00 / 8 FC00056		Non-reg ✓ R	
c. Hazardous Waste Liquid, N.O.S./ORME/NA9139				003 / 8 FC00056		U122 ✓ R	
d.						R	
J. Additional Descriptions for Materials Listed Above a) 1 b) 2 c) 1101 Waste Formalin				RECYCLE / REUSE Lab Pack #2247 ACCEPT: TAY/PIH/900316 / Lab Pack ACCEPT: TAY/PIH/9003107 DFO		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 ERIK REICH				Signature [Signature]		Month Day Year 10/16/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Serge Agnes				Signature [Signature]		Month Day Year 10/16/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name RICKY TURPIN				Signature [Signature]		Month Day Year 10/16/90	
19. Discrepancy Indication Space V				DEQ051502			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name TINA BASSETT				Signature [Signature]		Month Day Year 10/16/90	

EPA Form 350-22 (Rev. 8/88)

WHITE - DEQ GREEN - Generator YELLOW - TSDRF BLUE - Transporter 2 PINK - Transporter 1 GOLD - Generator

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U.S. MSP
PRODUCED BY MSP 9/90
REQUESTED BY
Hazardous Waste
Division
Batons Rouge, LA
10/16/90

MSD054

1536 L

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

MANIFEST. № 015884

Form Approved OMB No. 2050-0039. Expires 1-30-91

EPA Form 100-22 (Rev. 9-78)

WHITE - DEO GREEN - General. YELLOW - TSDRE. BLUE - Transporter 2. PINK - Transporter 1. GOLD - General

ENCLOSURE

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U.S. v. HARRIS

PRODUCED BY HSP 6/6

Reliability

MSDO 54

1537



MATERIALS CHARACTERIZATION DATA SHEET

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

MAY 29 1990

9002935

For MSP Use Only

Approval Code WLVA/RHSY/1002935-LP

A. Generator Information

Generator Name Riverside Health Systems
Site Address 1300 Old Denhigh Blvd.
City Newport News State VA Zip Code 23602
Generator Contact Ellen Bollinger
Title Safety Coordinator
Telephone No. (804) 875-2053
Facility EPA I.D. No. VAD982704983

B. Customer Information

Company Name W.L. Black & Associates
Contact Harry C. Wheeler, Jr.
Address P.O. Box 1363
Chesapeake, VA 23320
Telephone No. (804) 424-7925
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%.)

Lab Pack - See Inventory	MIN	MAX
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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 %) _____ Water (Wt %) ☐ <1 ☐ 5-10
BTU's per lb (list actual value) ☐ 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
Viscosity (for bulk liquids only) _____ cp
list actual in centipoise _____
Total Suspended Solids (Wt % for bulk liquids only) ☐ 5-20
if > 20
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
☐ Iodine ☐ ☐
☐ Bromine ☐ ☐
☐ Chlorine ☐ ☐
☐ Fluorine actual Wt %

if > 10 list actual Wt %

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 _____
Dieldrin _____
Methoxychlor _____
Toxaphene _____
2,4-D _____
2,4,5-TP (Silvex) _____

If material contains the following compounds, indicate actual ppm:

PCB _____
Cyanides _____
Sulfides _____
Dioxin _____

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US V. MSP
PRODUCED BY MSP 9/93
RECEIVED
Box 5
HARRISBURG, PA 17105

MSD054

1538

DEMO51304

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U.S. MSP

Releaseable

PRODUCED BY MSP 9/93

REPORT #

Box 5
Material Characterization Data Sheet
Material Characterization Data Sheet

MSD054

1539

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.

J. Shipping Information

DOT Hazardous Material ☒ Y ☐ N (circle one)
Proper Shipping Name DOT LD. No. UN/NA

Hazard Class RQ

Anticipated Volume Drums Gal Yds Lbs ☐ Bulk? ☐ Rail?

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. Ellen Bollinger 2. Ellen Bollinger
Generator's Signature Name (Type or Print)

3. 5/22/90 4. Safety Manager
Date 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.

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MSP LAB PACK INVENTORY

GENERATOR NAME: Riverside Health Systems DATE: 05-21-90
 GENERATOR LOCATION: 1300 Old Denhigh Blvd. GENERATOR EPA ID: VAD
 LAB PACK CONTAINER NO: RHSY-03 PAGE 1 OF 1
 DOT DESCRIPTION: Non-Hazardous Solid UN/NA NO: N/A
 (Circle One)
 CONTAINER SIZE: 5 Gallon CONTAINER TYPE: Poly
 (30 gal. or less) (Fiber or Poly)

ITEM NO.	MATERIAL DESCRIPTION	QUANTITY	VOLUME	DOT HAZARD CLASS	UN/NA	EPA WASTE NO.
01	Crystal Violet	250 ml	1	Non-Hazardous	N/A	N/A
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						

I AM AN AUTHORIZED EMPLOYEE OF W. L. BLACK & ASSOCIATES
 I HEREBY CERTIFY THAT THE LAB PACK REPRESENTED BY THIS MATERIAL CHARACTERIZATION DATA SHEET AND LAB PACKING LIST IS PREPARED AND SHIPPED IN FULL COMPLIANCE WITH THE MARINE SHALE PROCESSORS, INC. LAB PACK GUIDELINES.

1. Harry C. Wheeler, Jr. 2. 05-21-90
 NAME (Type or Print) DATE
 4. Facilities Operation
 TITLE

DE0051506

U.S. MSP
 PRODUCED BY MSP 9/93
 RELEASED
 BOX # 5
 REQUEST #
 MATERIAL HANDLED BY
 MATERIAL HANDLED BY

MSD054

1540 L

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U.S. MSP
PRODUCED BY MSP 9/93
REQUEST
RECEIVED
DATE
TIME
BY
OFFICE

MSD054

1541 F

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

RECYCLE / REUSE
MANIFEST 014945

Form Approved OMB No. 2050-0008 Expires 9-30-91

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 141093123151231299771717		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Canon Virginia, Inc. 12000 Canon Blvd. Newport News, VA 23605		4. Generator's Phone (301) 371-5000 Contact: Tony Laurina		5. State Manifest Document Number		6. State Generator's ID	
5. Transporter 1 Company Name Tri State Motor Transit		6. US EPA ID Number 141093123151299771717		7. Transporter's Phone (800) 541-7580		8. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		9. State Transporter's ID		10. State Facility's ID	
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number 141093123151299771717		11. State Facility's ID		12. State Facility's Phone (504) 631-3161	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Non-hazardous waste material		No. Type		800		Waste No. R	
b. Non-hazardous						R	
c.						R	
d.						R	
15. Special Handling Instructions and Additional Information W.L. Black & Associates P.O. Box 1303 Chesapeake, VA 23021 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.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: Billy R. Johnson Signature: Billy R. Johnson Month Day Year: 10/12/1990		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: David Ransom Signature: David Ransom Month Day Year: 10/12/1990	
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: Earl Leonard Signature: Earl Leonard Month Day Year: 10/12/1990		DEQ051507			

EPA Form 351 (Rev. 8-91) WASTE, DEQ 051507

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

RECYCLE / REUSE

MANIFEST 014546

Form Approved OMB No. 2050-0038 Expires 9-30-91

Please print or type. (Form designed for use on 8 1/2 (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 01 1 5 0 1 2 1 3 6 2 1 3 9 1 1 5 2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Canon Virginia, Inc. 12000 Canon Blvd. Newport News, VA 23505		4. Generator's Phone (804) 331-5000		5. Transporter 1 Company Name W.A. Trucking, Inc.		6. US EPA ID Number 01 1 5 0 1 2 1 3 6 2 1 3 9 1 1 5 2	
7. Transporter 2 Company Name Tri State Motor Transit		8. US EPA ID Number 01 0 0 0 9 5 0 3 3 9 1 3		9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		10. US EPA ID Number L 1 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	
a. (R.O.) Hazardous Waste Solid, R.O.S. 0212 1 A 212 (205)		01/0		00550		R	
b. Non Hazardous Waste Material		001		99085		R	
c. (R.O.) Waste Paint Related Material Flammable Liquid 11 1203 (001/205)		001		00055		R	
d.						R	
15. Special Handling Instructions and Additional Information R.L. Black Associates P.O. Box 1313 Greenville, VA 23840 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.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name W.T. Honaker II		Signature W.T. Honaker II	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID RAMSON		Signature David Ramson		Month Day Year 10/1/99		Month Day Year 10/1/99	
19. 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 Gail Leonard		Month Day Year 10/1/99		Month Day Year 10/1/99	

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U.S. MSP
PRODUCED BY MSP 9/92
REQUEST 1
Citation: Hazardous Waste Manifest, 1542
Manifest: 014546

MSD054

1542

US V. MSP Releasable
PRODUCED BY MSP 9/93

BOX 5 REGRET
b1a1m the 2nd of 3 letters
p1a1a1a1 the 1st of 3 letters

MSDO54

1543

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

SHEET: WLBL/WLBA/890555
 MSP CODE: 890555

465-3310

W. L. Black & Associates

Bill To: 912-D Live Oak dr

Address: Chesapeake, Va 23320

City, Zip: (804) 424-7925

Telephone #: Harry C. Wheeler, Jr

Company Contact: 40 lb block,

Contanler Size: Not Regulated

EPA Waste No. Material Hardner.

Generating Process: polyurethane

Common Name of Waste: 3,200 lbs monthly

Rate of Generation PER (Time Interval)

(Totals must add up to 100%)

100% (max 200 up to 100%)		
methylene di-(p-phenylene		%
discocyanate	5-10	%
urethane elastomer prepolymer	90-95	%
di(allylcarbonate sulfide	0-1	%
		%
		%
		%

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

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

Endrin	N/S	Organohalide	n/s
Methoxychlor		Mercaptans	
Toxaphene			
2,4-D			
2,4,5-T			
Phenolics			
PCBs			
Dioxin			
TCOC			

Volume in Storage _____ IN _____
(Quantity) (Units) (Container Size and Type)

Is Waste DOT Hazardous ☐ YES ☒ NO

Proper DOT Shipping Name non hazardous waste material

Hazard Class non hazardous ID No. _____

Transportation Equipment _____

Placarding _____

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. %) 100 Suspended Solids (wt. %) 10, 807
BTU/lb 12.59 % Ash Content 100 % Water (by weight) none
Flash Point (°F) solid Type CC
Specific Gravity

Boiling Point, (°C) Freezing Point, (°C)
Vapor Pressure (mm Hg @ 24°C)
pH (Avg) neutral (Range) to
Total Alkalinity/Acidity (%)
Odor none
Color white

☐ 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 11-3-89
NSP FORM 100 (REV 11/87)

GENERATOR'S SIGNATURE:

DEQ051509

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NOV 20 1989

November 14, 1989

Marine Shale Processors, Inc.
110 James Drive West
St Rose, La. 70087
Attn: Sharon Ralph

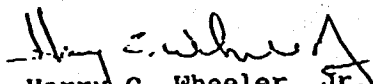
RE: 8905551 - MATERIAL CHARACTERIZATION DATA SHEET

Dear Sharon,

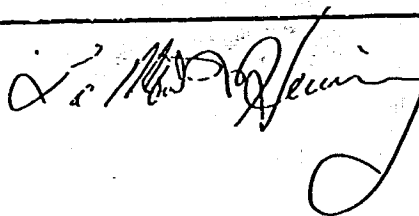
The following material is a solid, white polyurethane material that will be shipped to you in tin containers measuring 9" square by 14" high and weighing approximately 40lbs each.

If any further information is required please feel free to contact me at (804) 424-7925.

Sincerely


Harry C. Wheeler, Jr.

The following is the signature of Mr. Monty Heuring of Canon Virginia, Inc. to acknowledge that the information provided is correct.



DEQ051510

US V. MSP
PRODUCED BY MSP 9/93
RECEIVED
NOV 20 1989
MARINE SHALE PROCESSORS, INC.
ST. ROSE, LA. 70087

MSD054

1544

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U.S. MSP RELEASED
PRODUCED BY MSP 9/93
REQUEST BY
Box 5
VETERAN-STATEMENTS
TRANSFER-DATE: 10-18-89

MSD054

1545

DEQ051511

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET		MSP Approval Code
		VLBL/VLBA/8800735/ 1
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: VLBA/CANON	Telephone: (804) 881-6000 x.0000	
Facility Address: 12000 CANON BLVD	USEPA ID: VAD982362428	
NEWPORT NEWS, VA 23606-0000		
Name of Waste: PAINT RELATED MATERIAL & CLASS	Generating Process: Paint Pulivization	
Technical Contact: MR. MONTY HEURING	Title: ENV. & SAFETY 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) 17H/55 gal		
Anticipated Volume: 4 dm 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 recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.		
Name: LAMONT W. HEURING	Signature: <i>Lamont W. Heuring</i>	
Title: Safety/Environmental Manager	Date: 10-18-89	

US V. MDP Releasable
PRODUCED BY MDP 9/93
BOX 5 REQUEST 1
LOCATION Harvard's West
 meadow place Sept 1945

MSDO54

1546

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-09-2011 BY 60322 UCBAW

P.O. BOX 1698 • KENNER, LA 70061
SALES (504) 465-7710

WLB4/WLBA-8808735

Hill No. W. L. BLACK & ASSOCIATES
 Address 912 - D LIVE OAK DRIVE
 City, State, Zip CHESAPEAKE, VIRGINIA 23320
 Telephone 804-424-7925
 Company Contact HARRY C. WHEELER, JR
 Container Size 55 GALLON DRUM
 IPA Waste No. D001/F005
 Generating Process PAINT PULVIZATION
 Common Name of Waste PAINT RELATED MATERIAL & GLASS
 Date of Collection 4 DM 1988 YEAR

[illegible]

PAINT	10-20
MER	5-10
1/16" DIA GLASS BEADS	60-80

silver (Ag)	0	silver (Ag)	0
copper (Cu)	0	copper (Cu)	0
nickel (Ni)	0	nickel (Ni)	0
zinc (Zn)	0	zinc (Zn)	0
aluminum	0		
iron (Fe)	0		
lead (Pb)	0		

call	0	name	0
set	0	address	0
link	0		
check	0		
suffix	0		
line	0		
line	0		
expdate	0		
status	0		
status	0		
status	0		

don	$\frac{0}{1}$	Organizable	$\frac{0}{1}$
stereophile	$\frac{0}{1}$	Microquary	$\frac{0}{1}$
expensive	$\frac{0}{1}$		
13	$\frac{0}{1}$		
14	$\frac{0}{1}$		
crude oil	$\frac{0}{1}$		
He	$\frac{0}{1}$		
note	$\frac{0}{1}$		
e	$\frac{0}{1}$		

Physical State	1 Liquid	10 Semi-solid	1 Solid		
Phase Layering	10 Uni-Layer	1 Bilayer	1 Multilayer		
Viscosity	1 High	10 Medium	1 Low		
Type of Solids	10 Organic	1 Inorganic	1 Mixed		
Total Solids (wt. %)	NA		NA		
Btu/lb	1, 310	% Ash Content	87.99	% Water (by weight)	N/A
Flash Point (°F)	91.4	Visc	CC		

☐ Volatile Reactive	☐ Reactive	☐ Explosive
☐ Shock Sensitive	☐ Pyrophoric	☐ Polymerizable
☐ Radioactive	☐ Toxic to Humans	☒ Ignitable
☐ Corrosive	☐ Toxic Vapor	☐ Pathogen
☐ Biological	☐ Ecological	
☐ Other		

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

WARRANTY: I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to ensure that no deliberate or willful concealment or misrepresentation of 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.

12-5-68

CLIENT'S SIGNATURE

DEQ051512

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US V. MSP PRODUCE BY MSP 9/93

Box 5
Latham, Virginia 23060
Production Date: 12/5/88

MSD054

1547

DEC 09 1988

MARINE SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

MCDS Document #
8808735

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

WLB/LWBA-8808735
MSP CODE:

Generator Name WLBA/CANON
Facility Address 12000 CANON BLVD.
City, State, Zip NEWPORT NEWS, VIRGINIA 23606
Technical Contact MONTY HEURING
Title SAFETY/ENVIRONMENTAL COORDINATOR
Telephone (NE) 804 881-6000 / (X) _____
Facility EPA ID # VAD982362428

Bill To W. L. BLACK & ASSOCIATES
Address 912- D LIVE OAK DRIVE
City, State, Zip CHESAPEAKE, VIRGINIA 23320
Telephone # 804-424-7925
Company Contact HARRY C. WHEELER, JR
Container Size 55 GALLON DRUM
EPA Waste No. D001/F005
Generating Process PAINT PULVIZATION
Common Name of Waste PAINT RELATED MATERIAL & GLASS
Rate of Generation 4 DM MYR YEAR
Volume in Storage 2 DM IN 55 gallon drums
K Waste (X) Hazardous ☒ YES ☐ NO Glass
Proper (X) Shipping Name Waste Paint related Material
Hazard Class 3 (X) No. UN1263
Transportation Equipment COMMON CARRIER
Hazarding FLAMMABLE UN 1263

CHEMICAL COMPOSITION (No Trade Name)

(Total must add up to 100%)

PAINT	10-20	%
NEK	5-10	%
1/16" DIA GLASS BEADS	60-80	%
		%
		%
		%
		%

METALS (EP Toxicity Test/mg/l)

Arsenic (As)	0	Silver (Ag)	0
Boron (B)	0	Copper (Cu)	0
Calcium (Ca)	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		
Bromide	0		
Sulfate	0		
Phosphate	0		
Fluoride	0		
Boron	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Endrin	0	Organohalide	0
Methoxyflor	0	Mercurials	0
Hexachlor	0		
2,4-D	0		
2,4,5-T	0		
Heptachlor	0		
DIBS	0		
Dioxin	0		
DRC	0		

PHYSICAL DESCRIPTION

Physical State ☐ Liquid ☒ Semi-solid ☐ Solid
Phase-Layering ☒ Uni-Layer ☐ Bi-Layer ☐ Multi-Layer
Viscosity ☐ High ☒ Medium ☐ Low
Type of Solids ☒ Organic ☐ Inorganic ☐ Mixed
Total Solids (wt. %) NA Suspended Solids (wt. %) NA
RTU/Lb 1,310 % Ash Content 87.99 % Water (by weight) N/A
Flash Point (°F) 91.4 Type CC
Specific Gravity 1.0-1.5
Boiling Point (°C) N/A Freezing Point (°C) N/A
Vapor Pressure (mm Hg @ 24°C) NEGLIGIBLE
pH (Avg) 6 (Range) 4 to 9
Total Alkalinity/Acidity (%) N/A
Color SOLVENT
Color GRAY

HAZARDOUS PROPERTIES

☐ Water Reactive ☐ Reactive ☐ Explosive
☐ Shock Sensitive ☐ Pyrophoric ☐ Polymerizable
☐ Radioactive ☐ Pesticide Residuals ☒ Ignitable
☐ Corrosive ☐ Toxic Vapor ☐ Pathogen
☐ Biological ☐ Ecological
☐ 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 12-5-88

GENERATOR'S SIGNATURE

[Signature]

DEC051513

US V. MSP Releaseable
PRODUCED BY MAP 9/93

BOX # 5 REQUEST # _____
Letter to Records Mgmt.
Transcript from Mr. Spivey

MSD054

1548

REPORT OF ANALYSIS

TO: W. L. BLACK & ASSO.
912 D LIVE OAK DR.
CHESAPEAKE, VA 23320-2520

ATTN: MR. BLACK
SAMPLE OF : MEK, GLASS BEADS, PAINT
SAMPLE ID : 1218

DATE RECEIVED : 11/09/88
SOL LOG NO : 1159

PHYSICAL :	CORROSIVITY:	N/R
	pH=	N/R
	REACTIVITY:	N/R
	CYANIDE	N/R
	SULFIDE	N/R
	IGNITABILITY:	N/R
	Flash Point, °C	33.0
	ASH CONTENT	87.99 %
	BTU/LB	1,310.0

EP EXTRACTION INORGANIC: (mg/L)	SAMPLE	BLANK	DETECTION LIMIT
ARSENIC	N/R		
BARIUM	N/R		
CADMIUM	N/R		
CHROMIUM	N/R		
LEAD	N/R		
MERCURY	N/R		
SELENIUM	N/R		
SILVER	N/R		
ORGANIC: (ppm)			
ENDRIN	N/R		
LINDANE	N/R		
METHOXYCHLOR	N/R		
TOXAPHENE	N/R		
2,4-D	N/R		
2,4,5 TP (SILVEX)	N/R		

THE EP TOXICITY ANALYSIS WAS PERFORMED ACCORDING TO 40 CFR PART 261 REVISED SEPTEMBER 1986.

SIGNATURE DOROTHY S. SMALL
PRESIDENT

DEQ051514

2136 E. Liberty Street, Chesapeake, Virginia 23026

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U.S. MSP

Releaseable

Box 5
Request
Produced by MSP 9/93
Material: HAZARDOUS WASTE
Hazardous Waste Labeling Instructions

MSD054

1549

DE051515

Canon

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: February 10, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: Additive for Coating Material
PRODUCT NO: KA1-O161

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
Silicones Polymer	100	----	----

Concerning carcinogenicity, each component is not listed on the latest NTP Annual Report on Carcinogens, IARC Monograph or OSHA listing for carcinogens.

SECTION 3 - PHYSICAL DATA

BOILING POINT (°C): Not applicable
VAPOR PRESSURE (mmHg): Negligible (at 20°C)
VAPOR DENSITY (AIR=1): Not applicable
SPECIFIC GRAVITY (H₂O=1): 1.3
MELTING POINT (°C): 1000°C or higher
EVAPORATION RATE (BUTYL ACETATE=1): Not applicable
SOLUBILITY IN WATER: Insoluble
SOLUBILITY IN ORGANIC SOLVENTS: Insoluble in esters, ketones, alcohols and aromatic organic solvents.
APPEARANCE AND ODOR: White powder without odor.

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
PRODUCED BY MSP 9/93
REQUEST
Litho. Italicized & Underlined
Printed in Italics & Underlined

MSD054

1550

DEQ051516

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: February 10, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: Coating Resin

PRODUCT NO: KA1-0159

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
Thermoplastic styrene polymer	100	----	----

Concerning carcinogenicity, each component is not listed on the most recent NTP Annual Report on Carcinogens, IARC Monograph or OSHA listing for carcinogens.

SECTION 3 - PHYSICAL DATA

MELTING POINT (°C):	Not applicable
VAPOR PRESSURE (mmHg):	Negligible (at 20°C)
RELATIVE DENSITY (AIR=1):	Not applicable
SPECIFIC GRAVITY (H ₂ O=1):	1.1
BOILING POINT (°C):	110°C or higher
EVAPORATION RATE (BUTYL ACETATE=1):	Not applicable
SOLUBILITY IN WATER:	Insoluble
SOLUBILITY IN ORGANIC SOLVENTS:	Soluble in esters, ketone, aromatic organic solvents.
APPEARANCE AND ODOR:	Translucent pellet without odor.

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
PRODUCED BY MSP 9/93
PROJECT 9/93
Box 5
Easton, Maryland 21828
Phone 410.326.1234

MSD054

1551

DEQ051517

Canon

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: February 10, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: One of raw materials for
the electrophotographic sensor

PRODUCT NO: KA1-0156

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
Azo Pigment	100	----	----

Concerning carcinogenicity, each component is not listed on the latest NTP Annual Report on Carcinogens, IARC Monograph or OSHA listing for carcinogens.

SECTION 3 - PHYSICAL DATA

BOILING POINT (°C): Not applicable
VAPOR PRESSURE (mmHg): Negligible (at 20°C)
VAPOR DENSITY (AIR=1): Not applicable
SPECIFIC GRAVITY (WATER=1): No data available
MELTING POINT (°C): 150°C or higher (Decomposition)
EVAPORATION RATE (G/CM² MIN): Not applicable
SOLUBILITY IN WATER: Negligible
SOLUBILITY IN FLAMMABLE LIQUIDS: Not known
APPEARANCE AND ODOR: Black powder without odor.

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U.S. V. MAP

PRODUCED BY MSP 9/93

REQUEST 1/1/88

DOX 6.5
Letter to the Director
Manufactured by the FBI

MSD054

1552

DEQ051518

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: February 10, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: Additive for Coating Material

PRODUCT NO: KA1-0150

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
Silicones and Styrene Copolymer	100	----	----

Concerning carcinogenicity, each component is not listed on the latest NTP Annual Report on Carcinogens, IARC Monograph or OSHA listing for carcinogens.

SECTION 3 - PHYSICAL DATA

MELTING POINT (°C): Not applicable
VAPOR PRESSURE (mmHg): Negligible (at 20°C)
DENSITY (AIR=1): Not applicable
SPECIFIC GRAVITY (H₂O=1): 1.0
BOILING POINT (°C): 130°C or higher
EVAPORATION RATE (BUTYL ACETATE=1): Not applicable
SOLUBILITY IN WATER: Insoluble
SOLUBILITY IN ORGANIC SOLVENTS: Soluble in esters, ketones or aromatic organic solvents.
APPEARANCE AND ODOR: White powder without odor.

US V. MSP
PRODUCED BY MSP 9/93
PROJECT 9
VOLUME 1
PAGES 1-100

MSD054

1553

anon

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: January 25, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: Coating Resin diluted with methanol

PRODUCT NO: KAl-0120

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
Thermosetting phenol polymer	60	----	----
Methanol (67-56-1)	34	200 ppm	200 ppm(skin) 250 ppm(STEL)
Phenol (108-95-2)	6	5 ppm(skin)	5 ppm(skin)

Concerning carcinogenicity, each component is not listed on the latest NTP Annual Report on Carcinogens, IARC Monograph or OSHA listing for carcinogens.

SECTION 3 - PHYSICAL DATA

BOILING POINT (°C): 65°C or higher (at 760 mmHg)
VAPOR PRESSURE (mmHg): 92 mmHg or less (at 20°C)
VAPOR DENSITY (AIR=1): 1.1
SPECIFIC GRAVITY (H₂O=1): 1.0 - 1.1
MELTING POINT (°C): -98°C or higher
EVAPORATION RATE (BUTYL ACETATE=1): 5.2 or less
SOLUBILITY IN WATER: Insoluble (Thermosetting phenol polymer)
SOLUBILITY IN ORGANIC SOLVENTS: Soluble in alcohols, esters or ketones
APPEARANCE AND COLOR: Brown transparent liquid with alcoholic odor.

DEQ051519

US V. MSP Releaseable

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REQUEST 9

BOX 65

Station, Harpers West

man-hat, Daily lat 3pt news

MSDO54

157

Date of preparation: February 10, 1988

DESCRIPTION: Inorganic pigment for coating material

DUCT NO: KA1-0119

<u>Component</u>	<u>wt%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
antimony dioxide (13463-67-6)	96	15 mg/m ³	10 mg/m ³ (Total dust)
chromium oxide (1334-28-1)	3	----	10 mg/m ³
mer metal oxide	1	----	----

cerning carcinogenicity, each component is not listed on the
est NTP Annual Report on Carcinogens, IARC Monograph or OSHA
tino for carcinogens.

LING POINT (°C):	Not applicable
OR PRESSURE (mmHg):	Negligible (at 20°C)
OR DENSITY (AIR=1):	Not applicable
CIFIC GRAVITY (H ₂ O=1):	4.1
ING POINT (°C):	1025°C
ORATION RATE (BUTYL ACETATE=1):	Not applicable
SIBILITY IN WATER:	Insoluble
SIBILITY IN ORGANIC SOLVENTS:	Not soluble
CHARACTER AND ODOR:	White powder without odor.

DEQ051520

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PRODUCED BY MSP 9/93

BOX 5 REQUEST 1

Station: Harbors West

Plant: Dallas, TX, NCS

MSDO54

1555

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DEQ051521

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Box 5
RECEIVED
FBI
FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE

MSD054

1556

ion

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: February 10, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: One of raw materials for
the electrophotographic sensor

PRODUCT NO: KAl-0101

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
drazone derivative	100	----	----

Concerning carcinogenicity, each component is not listed on the
test NTP Annual Report on Carcinogens, IARC Monograph or OSHA
listing for carcinogens.

SECTION 3 - PHYSICAL DATA

MELTING POINT (°C):	Not applicable
VAPOR PRESSURE (mmHg):	Negligible (at 20°C)
DENSITY (AIR=1):	Not applicable
SPECIFIC GRAVITY (H ₂ O=1):	No data available
BOILING POINT (°C):	145°C or higher
EVAPORATION RATE (BUTYL ACETATE=1):	Not applicable
SOLUBILITY IN WATER:	Negligible
SOLUBILITY IN ORGANIC SOLVENTS:	Soluble in esters, ketones and aromatic organic solvents.
APPEARANCE AND ODOR:	Yellow powder without odor.

DEQ051522

anon

MATERIAL SAFETY DATA SHEET

Manufacturer: Canon Inc.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo,
Japan Phone: 03-758-2111

Distributor:

Date of preparation: January 25, 1988

SECTION 1 - IDENTIFICATION

DESCRIPTION: Coating Resin
PRODUCT NO: KA1-0082

SECTION 2 - INGREDIENTS

Component	wt%	OSHA PEL	ACGIH TLV
Polyamide resin	100	----	----

Concerning carcinogenicity, each component is not listed on the latest NTP Annual Report on Carcinogens, IARC Monograph or OSHA listing for carcinogens.

SECTION 3 - PHYSICAL DATA

BOILING POINT (°C):	Not applicable
VAPOR PRESSURE (mmHg):	Negligible (at 20°C)
VAPOR DENSITY (AIR=1):	Not applicable
SPECIFIC GRAVITY (H ₂ O=1):	1.0 - 1.2
MELTING POINT (°C):	120°C or higher
EVAPORATION RATE (BUTYL ACETATE=1):	Not applicable
SOLUBILITY IN WATER:	Insoluble
SOLUBILITY IN ORGANIC SOLVENTS:	Soluble in alcohols
APPEARANCE AND ODOR:	White flakes with formalin-like odor.

DEQ051523

US V. MSP
PRODUCED BY MSP 9/93
REQUEST
Box 5
Hatteras Island, NC 28544
Hatteras Island, NC 28544

MSD054

1557

US V. MSP Releasable
PRODUCED BY MSP 9/93
BOX 5 REQUEST
LOCATION HAZARDOUS WASTE
ADDRESS 224 W 1st St
 NEW YORK, NY 10038

MSD054

1570

DEQ051524

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U.S. V. MAR. PRODUCED BY MSP 9/93
REQUESTED BY
Caitlyn H. Haddock, West
Virginia Dept. of Health
Division of Public Health

MSD054

1559

DEG051525

RECERTIFICATION OF MATERIAL CHARACTERIZATION DATA SHEET		MSP Approval Code <u>VLBL/VLBA/8800734/</u>
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: <u>VLBA/CANON</u>	Telephone: <u>(804) 881-6000 x.0000</u>	
Facility Address: <u>12000 CANON BLVD</u>	USEPA ID: <u>VA9982362428</u>	
<u>NEWPORT NEWS, VA 23606-0000</u>		
Name of Waste: <u>PAINT RACS</u>	Generating Process: <u>Cleanup</u>	
Technical Contact: <u>MR. MONTY HEURING</u>	Title: <u>ENV. & SAFETY MGR.</u>	
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) <u>17H/ 55 gal</u>		
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 recertified waste profile sheet attached hereto, and the information supplied above, are complete, true and correct.		
Name: <u>LoMont W. Heuring</u>	Signature: <u>[Signature]</u>	
Title: <u>Safety/Environmental Manager</u>	Date: <u>10-18-89</u>	

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U.S. V. MAP PRODUCED BY MSD/9/93

BOX 65 REQUEST 1-15-93
Cathleen H. Hargrave, Analyst
Product Safety Division, EPA MSDS

MSD054

1560

ALABAMA SHALE PROCESSORS, INC.

MATERIALS CHARACTERIZATION DATA SHEET

P.O. BOX 1690 • KENNER, LA 70061
SALES (504) 465-1100

MSD CODE: _____

ALDS Document #
H000734

Customer Name: WILHA/CANON
Facility Address: 12000 CANON BLVD.
City, State, Zip: NEWPORT NEWS, VIRGINIA 23606
Facility Contact: MONTY HEURING
Title: SAFETY/ENVIRONMENTAL COORDINATOR
Telephone: 804 001-6000 (X1)
Facility ID: VAD 982362420

Bill To: W. L. BLACK & ASSOCIATES
Address: 912- D LIVE OAK DRIVE
City, State, Zip: CHESAPEAKE, VIRGINIA 23320
Telephone #: 804-424-7925
Company Contact: HARRY C. WHEELER, JR.
Company Size: 55 gallon drums
EPA Waste No.: F005
Generating Process: CLEANUP
Common Name of Waste: PAINT RAGS
Rate of Generation: 5 DM MT
Volume in Storage: 10 DM IN 55 gallon drums
Hazardous (X) Non-Hazardous () YES NO
Proper DOT Shipping Name: RQ Hazardous Waste Solid
Hazard Class: ORM-E ID No.: UN 9189
Transportation Equipment: COMMON CARRIER
Hazarding: UN 9189

CHEMICAL COMPOSITION (No Trade Name)

(Heavily must add up to 100%)

RAIGS	99	X
HEK	1	X
PAINT	1	X
		X
		X
		X

ANALYSIS (P Toxicity Test, mg/l)

Arsenic (As)	0	Silver (Ag)	0
Boron (B)	0	Copper (Cu)	0
Cadmium (Cd)	0	Nickel (Ni)	0
Chromium (Cr)	0	Zinc (Zn)	0
Lead (Pb)	0		
Manganese (Mn)	0		
Selenium (Se)	0		

INORGANICS (mg/l or ppm)

Total H	0	Isobut	0
Free H	0	Adhesion	0
Sulfate	0		
Chloride	0		
Bromide	0		
Sulfide	0		
Sulfate	0		
Phosphate	0		
Fluoride	0		
Bromine	0		
Chlorine	0		

ORGANICS (mg/l or ppm)

Isobut	0	Organohalide	0
Acetylene	0	Acetylene	0
Isopropyl	0		
2,4-D	0		
2,4,5-T	0		
Phenol	0		
Phenol	0		
Phenol	0		

PHYSICAL DESCRIPTION

Physical State: 1 Liquid 1 Semi-solid XX Solid
Phase/Layering: XX Uni-Layer 1 Bilayer 1 Multilayer
Viscosity: XX High 1 Medium 1 Low
Type of Solids: 1 Organic 1 Inorganic XX Sheet
Total Solids (wt. %): 100 Suspended Solids (wt. %):
BTU/lb: 440 % Ash Content: 1.00 % Water by weight: Solid/NU
Flash Point (°F): 143 6 Type: CC
Specific Gravity: SOLID
Boiling Point (°C): N/A Freezing Point (°C): N/A
Vapor Pressure (mm Hg @ 24°C): NEGLIGIBLE
pH (Ave): NEUTRAL (Range): to
Total Alkalinity/Acidity (%): N/A
Odor: SOLVENT
Color: WHITE

HAZARDOUS PROPERTIES

XXI NONI
1 Water Reactive 1 Reactive 1 Explosive
1 Shock Sensitive 1 Pyrophoric 1 Polymerizable
1 Radiation 1 Pesticide Residuals 1 Irritable
1 Corrosive 1 Toxic Vapor 1 Pathogen
1 Biological 1 Ecological
1 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: 11-30-88

GENERATOR'S SIGNATURE: X. Monty Heuring

DEQ051526

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U.S. V. MSP
PRODUCED BY MSP 9/93
RELEASEABLE
BOX 5
REQUEST #
HARRIS, JAMES W. JR.
HARRIS, JAMES W. JR.

MSD054

1561

05099-1000
 MATERIALS CHARACTERIZATION DATA SHEET
 P.O. BOX 1698 • KENNER, LA 70063
 SALES (504) 465-1310
 WLBL/WLBA-8808734
 MSP CODE:

Generation Name: HLDA/CANON
 Facility Address: 12000 CANON BLVD.
 City, State, Zip: NEWPORT NEWS, VIRGINIA 23606
 Technical Contact: MONTY HEURING
 Title: SAFETY/ENVIRONMENTAL COORDINATOR
 Telephone (N): 804 881-6000 (X):
 Facility EPA ID #: VAD 982362428

Bill To: W. L. BLACK & ASSOCIATES
 Address: 912- D LIVE OAK DRIVE
 City, State, Zip: CHESAPEAKE, VIRGINIA 23320
 Telephone #: 804-424-7925
 Company Contact: HARRY C. WHEELER, JR.
 Container Size: 55 gallon drums
 EPA Waste No.: F005
 Generating Process: CLEANUP
 Continuous Name of Waste: PAINT RAGS
 Rate of Generation: 5 DM PER MT
 Volume in Storage: 10 DM IN 55 gallon drums

CHEMICAL COMPOSITION (No Trade Name)
(Totals must add up to 100%)

RAGS	99	%
HEK	1	%
PAINT	1	%

Is Waste DOT Hazardous: YES NO
 Proper DOT Shipping Name: RM Hazardous Waste Solid
 Hazard Class: ORM-E DOT No.: UN 9189
 Transportation Equipment: COMMON CARRIER
 Placarding: UN 9189

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
Cobalt (Co)	0		
Mercury (Hg)	0		
Selenium (Se)	0		

PHYSICAL DESCRIPTION
 Physical State: 1 Liquid 1 Semi-solid KX Solid
 Phases/Layering: KX Uni-Layer 1 Bilayer 1 Akyl-Layer
 Viscosity: KX High 1 Medium 1 Low
 Type of Solids: 1 Organic 1 Inorganic KX Mixed
 Total Solids (wt. %): 100 Suspended Solids (wt. %):
 H2O/mg, 440 % Ash Content: 1.08 % Water by weight: Solid/NO
 Flash Point (°F): 143.6 Type: CC
 Specific Gravity: SOLID
 Boiling Point, (°C): N/A Freezing Point, (°C): N/A
 Vapor Pressure (mm Hg @ 24°C): NEGLIGIBLE
 pH (Avg): NEUTRAL (Range): to
 Total Alkalinity/Acidity (%): N/A
 Color: SOLVENT
 Color: WHITE

INORGANICS (mg/l or ppm)

Total CN	0	Iodine	0
Free CN	0	Asbestos	0
Sulfide	0		
Chloride	0		
Bisulfide	0		
Sulfate	0		
Sulfate	0		
Phosphate	0		
Fluoride	0		
Bromide	0		
Chloride	0		

HAZARDOUS PROPERTIES XXI NONI
 1 Water Reactive 1 Reactive 1 Explosive
 1 Shock Sensitive 1 Pyrophoric 1 Polymerizable
 1 Radiative 1 Pesticide Residuals 1 Ignitable
 1 Corrosive 1 Toxic Vapor 1 Pathogen
 1 Biological 1 Ecological
 1 Other

ORGANICS (mg/l or ppm)

Endrin	0	Organotin	0
Amblypythol	0	Mercaptans	0
Toxaphene	0		
2,4-D	0		
2,4,5-T	0		
Chlordane	0		
PCBs	0		
Dioxin	0		
TCR	0		

REQUIRED PERSONNEL PROTECTIVE EQUIPMENT AND PROCEDURES:

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: 11-30-88 GENERATOR'S SIGNATURE: [Signature] DEQ051527

US V. MAD RELEASED
PRODUCED BY MAP 9/93
BOX 5 REQUEST 1
LOCATION: HANCOCKS INTER-
PRELIMINARY DEPT. 11-11-93

MSDO54

1567

DEQ051528

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

RECYCLE / REUSE

MANIFEST NO 015627

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

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address		Reichhold chemicals 237 Motor Ave. Azusa, CA 91702		A. State Manifest Document Number	
4. Generator's Phone (951) 341-9574		5. Transporter 1 Company Name ADDITIONAL RECOVERY		B. State Generator's ID	
6. Transporter 2 Company Name LION RECOVERY		7. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380		C. State Transporter's ID 2654	
8. US EPA ID Number LAD981057706		9. US EPA ID Number LAD981057706		D. Transporter's Phone 404-431-0811	
10. US EPA ID Number LAD981057706		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		E. State Transporter's ID 3405	
12. Containers		13. Total Quantity		F. Transporter's Phone 98-426-4974	
14. Unit W/Vol		15. Waste No.		G. State Facility's ID	
16. Hazardous Waste Bromine/Corrosive/UN1744		17. Waste Acrylic Acid Corrosive/Corrosive/UN2218		H. Facility's Phone (504) 631-3161	
18. Waste Toluene Diisocyanate/Poison-B/UN2078		19. Non-Regulated		I. Waste No.	
20. Additional Descriptions for Materials Listed Above		21. Handling Codes for Wastes Listed Above		J. Waste No.	
LAB. PACK 2260		RECYCLE / REUSE		K. Waste No.	
a) 7/2 c) 1/		b) 4 d) 2A		TAY/REI-9002729-LP	
15. Special Handling Instructions and Additional Information					
WEAR GOGGLES AND GLOVES					
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	
JOE CARCIA		[Signature]		12/2/90	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
SANDY ADAMS		[Signature]		12/2/90	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
RICKY TURPIN		[Signature]		12/2/90	
19. Discrepancy Indication Space		DEQ051529			
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 BARNETT		[Signature]		12/2/90	

EPA Form 720-22 (Rev. 9-88) WHITE - DEQ GREEN - Generator YELLOW - TSDRF BLUE - Transporter 2 PINK - Transporter 1 GOLD - Generator INFORMATIONAL

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U.S. GMP
PRODUCED BY MSP 9/93
RECEIVED
Hazardous Waste
Division
Baton Rouge, LA 70804

MSD054

1563 F

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

RECYCLE / REUSE
MANIFEST NO 015626

Form Approved OMB No. 2050-0038 Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's USEPA ID No. LA 2008295834		Manifest Document No. 1 of 2		2. Page 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Reichold Chemicals 237 Motor Ave Azusa, Ca. 91702				A. State Manifest Document Number			
4. Generator's Phone (618) 334-4974				B. State Generator's ID			
5. Transporter 1 Company Name Industrial Recovery - CAD 582 519266				C. State Transporter's ID			
6. Transporter 1 US EPA ID Number				D. Transporter's Phone 610-431-0811			
7. Transporter 2 Company Name Waste Transportation PKA 581 583791				E. State Transporter's ID			
8. Transporter 2 US EPA ID Number				F. Transporter's Phone 918-444-472			
9. Designated Facility Name and Site Address MARINE SHALE PROCESSORS, INC. HIGHWAY 90 EAST MORGAN CITY, LOUISIANA 70380				G. State Facility's ID			
10. US EPA ID Number LA 0981057706				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	
a. Hazardous Waste Solid, N.O.S., Harm-c, HA9189				002 DF 000106		14. Unit Wt/Vol G Non-Reg	
b. Waste Corrosive Liquid, n.o.s., corrosive, UN1760				009 DF 00045		15. Waste No. D001 D002	
c. Waste Perchloric Acid, Oxidizer, UN1802				002 DF 000106		D003	
d. Waste Flammable Liquid, N.O.S., Flammable, UN1993				002 DF 00060		Non-Reg D003, D020	
J. Additional Descriptions for Materials Listed Above LAB PACK 2260 a) 16, 22 c) 2, 3 b) 5, 6, 8, 9, 18, 15, 19, 20, 21 d) 10, 24				RECYCLE / REUSE TAY/RET-70097094		K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WEAR GLOVES AND GLOVES 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 JOHN COARCIN				Signature [Signature]		Month Day Year 11/12/90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name SANC ANIOS				Signature [Signature]		Month Day Year 11/12/90	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name RICKY TURPIN				Signature [Signature]		Month Day Year 11/12/90	
19. Discrepancy Indication Space DEQ051530							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name LINA BASSETT				Signature [Signature]		Month Day Year 11/12/90	

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST 11/12/90
Manifest Data let you know

MSD054

1564

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

RECYCLE / REUSE

MANIFEST NO 015628

Form Approved OMB No. 2050-0039, Exp. 6-30-81

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <u>LA D 9 8 1 0 5 7 7 0 6</u>		Manifest Document No. <u>003 OF 000156</u>		2. Page 1 of 3		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <u>Reichold Chemical</u> <u>237 Motor Ave</u> <u>Acusa, Ca. 91702</u>		A. State Manifest Document Number		B. State Generator's ID		C. State Transporter's ID <u>2654</u>		D. Transporter's Phone <u>410-431-081</u>	
4. Generator's Phone (818) <u>334-4974</u>		E. State Transporter's ID <u>2405</u>		F. Transporter's Phone <u>918-426-4751</u>		G. State Facility's ID		H. Facility's Phone <u>(504) 631-3161</u>	
5. Transporter 1 Company Name <u>Midwest Recovery</u>		6. Transporter 2 Company Name <u>Transwest</u>		7. Designated Facility Name and Site Address <u>MARINE SHALE PROCESSORS, INC.</u> <u>HIGHWAY 90 EAST</u> <u>MORGAN CITY, LOUISIANA 70380</u>		8. US EPA ID Number <u>LA D 9 8 1 0 5 7 7 0 6</u>		9. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <u>HA 9133</u> <u>Waste Organic Peroxide liquid H.O.S., ESTERKULOX 51202</u>	
10. Containers		11. Total Quantity		12. Unit Wt/Vol		13. Waste No.		14. L	
No.		Type		Quantity		Unit		Waste No.	
003		DF		000156		U160		R	
								R	
								R	
								R	
J. Additional Descriptions for Materials Listed Above		RECYCLE / REUSE		K. Handling Codes for Wastes Listed Above					
<u>LAB PACK 2260</u>		<u>TAY/RLI-9003729-LP</u>							
a) 12,13,11									
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					
<u>ING. GARCIA</u>		<u>[Signature]</u>		<u>10/16/81</u>					
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year					
<u>[Signature]</u>		<u>[Signature]</u>		<u>10/16/81</u>					
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year					
<u>RICKY TURPIN</u>		<u>[Signature]</u>		<u>10/16/81</u>					
19. Discrepancy Indication Space									
DEQ051531									
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					
<u>GINA BASSETT</u>		<u>[Signature]</u>		<u>10/16/81</u>					

EPA Form 8700-22 (Rev. 7-81) WHITE - GEN. GREEN - GEN. YELLOW - TSPRE BLUE - Transporter 2 PINK - Transporter 1 GOLD - GEN. TRANSPORTER 1

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST 1
BOX 5
Hazardous Waste
Manifest Data Set
MSD054

MSD054

1565



MATERIALS CHARACTERIZATION DATA SHEET

MARINE SHALE PROCESSORS, INC.
110 James Drive West, Suite 120
St. Rose, LA 70087
504 365-3310

9002729

MAY 17 1990

For MSP Use Only

Approval Code

TAY/REI/9002729-LP

A. General Information

Company Name REICHHOLD CHEMICALS INC.
Address 237 MOTOR AVE
City AZUSA State CA Zip Code 91702
Generator Contact JOHN CRAMER
Title PLANT MGR
Telephone No. (818) 334-4974
Facility EPA ID. No. CAD 008 295 834

B. Customer Information

Company Name INDUSTRIAL RECOVERY
Contact BILL TAYLOR
Address 2075 CORTE DEL NOROCCO ST. X
CARLSBAD CA 92009
Telephone No. (619) 431-0811
For Customer Use

C. Regulatory Information

☐ RCRA Regulated☐ Land Ban☐ Non-Regulated

EPA Waste Code(s)

D. Chemical Composition

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

LAB PACK - SEE ATTACHED PACKING LIST

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

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

☐ Iodine ☐ ☐ ☐
☐ Bromine ☐ ☐ ☐
☐ Chlorine ☐ ☐ ☐
☐ Fluorine actual Wt %

Metals: EP Toxicity Test (M/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 _____

DEQ051532

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US V. MSP
PRODUCED BY MSP 9/93
REQUEST #
Material: REICHHOLD CHEMICALS INC.
Material: Industrial Recovery

MSD054

1566

US V. MSP Releasable
PRODUCED BY MSP-9/93
BOX 5 REQUEST 1
LOCATION - Tancred's West
meadow, Pawlet, Vt 05755

MSD054

1381

I. Required Protective Equipment and Procedures

J. Shipping Information

(circle one)

DOT LD. No. UN/NA

RQ

Drugs

Gel

Yoh

the

D.B.12

0832

Container type☐ One time

Q Week

Q Month

☐ Yes☐ Other _____

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

2

Name (Type or Print) _____

DEQ051533

3.

Date _____

4

File

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.

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 1
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WAST TOLUENE DIISOCYANATE
DOT DESCRIPTION: POISON-B
UN/NA NUMBER: UN2078
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	TOLUENE DIISOCYANTAE	METAL	1	1 GAL	U223

LAB PACK CERTIFICATE

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: William D. Taylor Date: 5-15-90
Name: WILLIAM D. TAYLOR TITLE: PREP Date: _____

DEQ051534

U.S. V. MSP
PRODUCED BY MSP 5/90
RECEIVED
MAY 15 1990
INDUSTRIAL RECOVERY, INC.
1568

MSD054

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 2
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE PERCHLORIC ACID
DOT DESCRIPTION: OXIDIZER
UN/NA NUMBER: UN1802
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	PERCHLORIC ACID	PLASTIC	1	1x8 OZ	:D001; D002 <i>AK</i>

LAB PACK CERTIFICATE

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: *William D Taylor* Date: 5-15-90
Name: WILLIAM D TAYLOR Date: Pro

DEQ051535

U.S. MSP
Produced by MSP 9/93
Releasable
Box 5
Industrial Recovery, Inc.
Marine Shale Processors, Inc.

MSD054

1569

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 3
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE PERCHLORIC ACID
DOT DESCRIPTION: OXIDIZER
UN/NA NUMBER: UN1802
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	PERCHLORIC ACID	PLASTIC	1	1X8 OZ	DO01, DO02 ✓

LAB PACK CERTIFICATE

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: William D Taylor Date: 5-15-90

Name: WILLIAM D TAYLOR Date: PREP

DEQ051536

US V. MSP
PRODUCED BY MSP 5/93
REQUEST #
Industrial Recovery, Inc.
Material Characterization Data Sheet

MSD054

1570

US V. MSP Releasable

PRODUCED BY MSP 9/93

BOX 15 REQUEST 1

UNITED STATES DISTRICT COURT

MAINE DISTRICT COURT

MSD054

15

GENERATOR NAME: REICHOOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 4
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE ACRYLIC ACID
DOT DESCRIPTION: CORROSSIVE
UN/NA NUMBER: UN2218
PACKAGING SUPERVISOR:
BILL TAYLOR

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>CONT. TYPE</u>	<u>#</u>	<u>SIZE</u>	<u>EPA #</u>
001	ACRYLIC ACID	PLASTIC	1	1 GAL	U008

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: *[Signature]* Date: 5-15-91

Name: William D. Taylor Date: President

DEQ051537

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PAGE 1 OF 1

GENERATOR NAME: REICHOLD CHEMICALS INC.

GENERATOR LOCATION: AZUSA CA

LAB PACK CONTAINER #: 5

CONTAINER SIZE: 5 GAL.

CONTAINER TYPE: POLY

DATE: 5/4/90

GENERATOR EPA ID#: CAD008295837

DOT SHIPPING NAME:

Waste CORROSIVE Liquid N.O.S.

DOT DESCRIPTION: CORROSIVE

UN/NA NUMBER: UN1760

PACKAGING SUPERVISOR:

BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	SULFURIC ACID 66°	PLASTIC	10	2 1/2 OZ	D002
002	SULFURIC ACID 66°	GLASS	1	8 OZ	D002
003	PHOSPHORIC ACID 75%	GLASS	1	16 OZ	D002
004	HYDROCHLORIC ACID 20%	GLASS	1	1 LTR	D002

LAB PACK CERTIFICATE

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: [Signature] Date: 6-9-90

Name: William D. Taylor Date: President

DEQ051538

U.S. V. MAP
PRODUCED BY MAP 9/93
REQUEST
RECEIVED
MAY 11 1990
FBI - NEW YORK

MSD054

1572

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 7
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE BROMINE
DOT DESCRIPTION: CORROSSIVE
UN/NA NUMBER: UN1744
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	BROMINE	GLASS	1	1/2 GAL	D002
002	BROMINE	PLASTIC	1	4 OZ	D002
003	BROKEN GLASSWARE THAT CONTAINED BROMINE	GLASS	2	200ml	D002

LAB PACK CERTIFICATE

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: William D. Taylor

Date: 5-15-90

Name: William D. Taylor

Date: President

DEQ051539

MSD054

1573

U.S. V. MSP

PRODUCED BY MSP 9/93

Releaseable

Box 5
Reichold's Waste
Material
Produce Date: 5/4/90

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 8
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE CORROSIVE LIQUID, N.O.S.
DOT DESCRIPTION: CORROSIVE
UN/NA NUMBER: UN1760
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	AQUA REGIA; WATER 50% SULFURIC ACID 20% NITRIC ACID 20% CHROMIC ACID 10% CARBON <2%	GLASS	1	1 GAL	D002, D001

LAB PACK CERTIFICATE

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: William D. Taylor

Date: 6-14-90

Name: William D. Taylor

Date: President

DER051540

US V. MSP
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Box 5
Industrial Recovery, Inc.
P.O. Box 100
Azusa, CA 91701

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1574

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 9
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE CORROSIVE LIQUID, N.O.S.
DOT DESCRIPTION: CORROSIVE
UN/NA NUMBER: UN1760
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	AQUA REGIA; SULFURIC ACID 20% NITRIC ACID 20% CHROMIC ACID 10% CARBON <2% WATER 50%	GLASS	1	1 GAL	D002 D001

LAB PACK CERTIFICATE

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Signature: William D. Taylor

Date: 5-15-90

Name: William D. Taylor

Date: President

DEQ051541

U.S. V. MAP
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REQUEST 1/15/93
Box 1575
Industrial Recovery, Inc.
Marine Shale Processors, Inc.

MSD054

1575

GENERATOR NAME: REICHOLD CHEMICALS DATE: 5/4/90

GENERATOR LOCATION: Azusa, CA

LAB PACK CONTAINER #: 10

CONTAINER SIZE: 30 Gallon

CONTAINER TYPE: Poly

GENERATOR EPA ID#: CAD008295834

DOT SHIPPING NAME: Waste Flammable Liqu N.O.S.

DOT DESCRIPTION: Flammable

UN/NA NUMBER: UN1993

PACKAGING SUPERVISOR: Bill Taylor

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	Methanol Resin Dispersion	PLASTIC	1	Gallon	F003
002	Herosene	Glass	1	Ltr.	D001
003	Toluene	Glass	1	Ltr.	D001U220✓
004	2 Dimethyl Aminoethanol	Glass	1	Ltr.	D001
005	Methanol/with less < 2% Potassium Hydroxide	Glass	1	Qt.	F003✓
006	Methanol/with less < 2% Potassium Hydroxide	Glass	1	Qt.	F003✓
007	Dicyclopentadiene Metal w/paper		1 x 8 OZ.	1 x 1 Gallon	D001
008	Amylacetate	Glass	1 x 1 ltr.		D001
009	Methyl Ethyl Keyone	Glass	1 x 1 Ltr.		D001✓
010	Mineral Spirits	PLASTIC	1 x 1 Ltr.		D001✓

LAB PACK CERTIFICATE

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Signature William Taylor ec Date 6-14-90
 Name William D. Taylor Title President

DEQ051542

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US V. MAP
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 REQUEST
 William Taylor ec
 William Taylor ec
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Page 2 of 2

GENERATOR NAME: REICHOLD CHEMICALS DATE: 5/4/90
GENERATOR LOCATION: Azusa, CA GENERATOR EPA ID# CAD008295834
LAB PACK CONTAINER #: 10 DOT SHIPPING NAME: Waste Flammable Liqu N.O.S.
CONTAINER SIZE: 30 Gallon DOT DESCRIPTION: Flammable
CONTAINER TYPE: POLY UN/NA NUMBER: UN1993
PACKAGING SUPERVISOR: Bill Taylor

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
011	Poly Urethane Coating	Metal	2	1 QT.	D001
012	Epoxy Acrylic Coating	Metal	9	1 QT.	D001
013	Acetone	Glass	1	8 oz.	U-002
014	Toluene Methanol	Glass	2	8 oz.	U-220
015	Polyester Tesin	Glass	1	8 oz.	D001
016	Color Standard				
	Water & Methanol	Glass	27	4 Oz.	F003
017	Alkyd Resin Samples	Glass	20	1/2 oz.	Non-Reg
018	Crystal Violet Dye in Water	Glass	1	2 oz.	Non-Reg
019	Crystal Violet Dye in Water	Glass	1	100ml	NON-Reg
020	Motor oil	Glass	1	4 oz.	Non-Reg
021	Alkyd	Glass	1	8 oz	D001

LAB PACK CERTIFICATE

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Signature _____ Date 6-14-90
Name William D. Taylor Title President

DEQ051543

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DO NOT DESTROY
DO NOT REUSE

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 11
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE ORGANIC PEROXIDE LIQUID N.O.S.
DOT DESCRIPTION: FLAMMABLE
UN/NA NUMBER: NA1993
PACKAGING SUPERVISOR:
BILL TAYLOR

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>CONT. TYPE</u>	<u>#</u>	<u>SIZE</u>	<u>EPA #</u>
001	METHYL ETHYL KEYTONE PEROXIDE	PLASTIC	1	3 LB, 3.75 U160	

LAB PACK CERTIFICATE

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Signature: William D. Taylor Date: 5-15-90
Name: William D. Taylor Date: President

DEQ051544

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Page 1 of 1

GENERATOR NAME: REICHOOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 13
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME: WASTE ORGANIC PEROXIDE LIQUID N.O.S.
DOT DESCRIPTION: FLAMMABLE
UN/NA NUMBER: NA1993
PACKAGING SUPERVISOR: BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	MEK PEROXIDE	PLASTIC	2	2 OZ	U160
002	MEK PEROXIDE	PLASTIC	1	2 OZ	U160
003	MEK PEROXIDE	GLASS	2	2 OZ	U160

LAB PACK CERTIFICATE

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Signature: William D. Taylor Date: 5-15-90

Name: William D. Taylor Date: President

DEQ051545

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GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 15
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE CORROSIVE LIQUID, N.O.S.
DOT DESCRIPTION: CORROSIVE
UN/NA NUMBER: UN1760
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	POTASSIUM HYDROXIDE	PLASTIC	2	4 OZ	D002
002	POTASSIUM HYDROXIDE	PLASTIC	2	2 OZ	D002
003	CALCIUM HYDROXIDE/ CALCIUM CHLORIDE SLURRY	GLASS	1	1 QT	NON-REG
004	CALCIUM HYDROXIDE 4%	GLASS	3	4 OZ	D002
005	COBALT HYDROXIDE 12%	GLASS	7	3 OZ	D002
006	COBALT HYDROXIDE 12%	GLASS	3	4 OZ	D002
007	COBALT HYDROXIDE 12%	GLASS	2	8 OZ	D002

2 of 2nd OK

LAB PACK CERTIFICATE

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Signature: *William D. Taylor* Date: 5-15-90

Name: William D. Taylor Date: President

DEQ051546

US V. MAP
PRODUCED BY MAP 9/93
Releaseable
Box 5
Request 9/93
Industrial Recovery, Inc.
Product: Marine Shale Processors

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1580

US V. MSP Releaseable
PRODUCED BY MAP 9/93
BOX 95 REQUEST
Citation: Itzard 045 14585
presented: 12/14/93 11:00 AM

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1581

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
HAZARDOUS WASTE SOLID, N.O.S.
DOT DESCRIPTION: ORME
UN/NA NUMBER: NA9189
PACKAGING SUPERVISOR:
BILL TAYLOR

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>CONT. TYPE</u>	<u>#</u>	<u>SIZE</u>	<u>EPA #</u>
001	TITANIUM DIOXIDE	METAL	1	3 LB	NON-REG
002	TITANIUM DIOXIDE	METAL	1	4 OZ	NON-REG
003	TITANIUM DIOXIDE	METAL	1	8 OZ	NON-REG
004	TITANIUM DIOXIDE	PLASTIC BAG	1	2 OZ	NON-REG
005	CALCIUM PHOSPHATE	METAL	1	1 QT	NON-REG
006	IRON OXIDE	PLASTIC	1	1 QT	NON-REG
007	FERRIC AMONIUM SULFATE	GLASS	1	1 QT	NON-REG

I certify that I am an authorized employee of Industrial Recovery, Inc. I hereby certify that the lab pack represented by this Material Characterization Data Sheet and Lab Packing List is prepared and shipped in full compliance with the Marine Shale Processors, Inc. lab pack guidelines.

Signature: William D. Taylor Date: 5-15-90
Name: William D. Taylor Date: President

DEQ051547

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 37
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
HAZARDOUS WASTE SOLID, N.O.S.
DOT DESCRIPTION: ORME
UN/NA NUMBER: NA9189
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	SYNTHETIC ROSIN:	PAPER BAG	1	5 LB	NON-REG
002	PHENOL FORMALDEHYDE RESIN	POLY BAG	1	1 LB	NON-REG

LAB PACK CERTIFICATE

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Signature: William D. Taylor Date: 5-15-90
Name: William D. Taylor Date: President

DEQ051548

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Industrial Recovery, Inc.
Material Characterization Data Sheet

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Page 1 of 1

GENERATOR NAME:
REICHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 18
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE CORROSIVE LIQUID, N.O.S.
DOT DESCRIPTION: CORROSIVE
UN/NA NUMBER: UN1760
PACKAGING SUPERVISOR:
BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	AQUA REGIA: { WATER 50% CHLORIC ACID 10% SULFURIC ACID 20% NITRIC ACID 20% CARBON 22% 	GLASS	1	1 GAL	D002 D001

LAB PACK CERTIFICATE

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Signature: William D. Taylor Date: 5-15-90
Name: William D. Taylor Date: President

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GENERATOR NAME: REICHOID CHEMICAL
GENERATOR LOCATION: AZUSA
LAB PACK CONTAINER #: 19
CONTAINER SIZE: 5 gal
CONTAINER TYPE: POLY

DATE: 5-4-90
GENERATOR EPA ID#: CAD 008 295 834
DOT SHIPPING NAME: Waste Corrosive Liquid, N.O.S
DOT DESCRIPTION: CORROSIVE
UN/NA NUMBER: UN1760
PACKAGING SUPERVISOR: BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	#	SIZE	EPA #
001	AQUA REGIA WATER 50% SULFURIC ACID 20% NITRIC ACID 20% CHROMIC ACID 10% CARBON < 2%	GLASS	1	GAL	D002, D001

LAB PACK CERTIFICATE

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Signature William Taylor ec Date 6-14-90
Name WILLIAM TAYLOR Title PRESIDENT

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1584

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1515

GENERATOR NAME: REICHHOLD CHEMICALS
GENERATOR LOCATION: Azusa, CA
LAB PACK CONTAINER #: 20
CONTAINER SIZE: 5 GAL
CONTAINER TYPE: POLY

DATE: 5/4/90
GENERATOR EPA ID#: CAD 008295834
DOT SHIPPING NAME:
WASTE CORROSIVE LIQUID, N.O.S.
DOT DESCRIPTION: CORROSIVE
UN/NA NUMBER: UN1760
PACKAGING SUPERVISOR:
BILL TAYLOR

<u>ITEM #</u>	<u>DESCRIPTION</u>	<u>CONT. TYPE</u>	<u>#</u>	<u>SIZE</u>	<u>EPA #</u>
001	AQUA REGIA	GLASS	1	3/4 GAL	D002, D001
002	AQUA REGIA	GLASS	2	1 OZ	D002, D001

WATER 50%
NITRIC ACID 20%
SULFURIC ACID 20%
CHROMIC ACID 10%
CARBON 2%

LAB PACK CERTIFICATE

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Signature: William D. Taylor Date: 5-15-90
Name: William D. Taylor Date: President

DEQ051551

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GENERATOR NAME: RECOVERY
 GENERATOR LOCATION: AZUSA
 LAB PACK CONTAINER 1: 2/2
 CONTAINER SIZE: 20 gal.
 CONTAINER TYPE: poly

GENERATOR EPA ID: LRL0003
 DOT SHIPPING NAME: HAZARDOUS WASTE SOLID, BRASS N.O.S.
 DOT DESCRIPTION: ORME
 UN NUMBER: 1989
 PACKAGING SUPERVISOR: BILL TAYLOR

ITEM #	DESCRIPTION	CONT. TYPE	L	SIZE	EPA #
001	ORGANIC DYE	FIBRE	3	X 802	NR.
002	" "	"	4	X 1602	NR
003	" "	MET	1	X 1 gal.	NR
004	OIL, RESIN/WATER	MET	1	X 1 gal.	NR
005	phenolic RESIN	"	1	X 1 gal.	NR
006	RESIN / linseed OIL	"	1	X 1 gal.	NR

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Signature William D. Taylor
 Name William D. Taylor

Date 5-15-90
 Title PRESIDENT

DEQ051552

U.S. MAP
 PRODUCED BY MAP 9/93
 REQUEST 9/93
 LOCATION: Industrial Recovery, Inc.
 ADDRESS: 1500 E. Main St. Azusa, CA 91701

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1586 L