

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE (EINE 12-8101).

SUBMITTED TO WASTE TECH SERVICES

DATE: June 27, 1990

WTS 005.2

Waste Profile Sheet Code

A. GENERAL INFORMATION

Generator Name: PPG Industries, Inc. 2. Generator USEPA ID: LAD 008086506
 Facility Address: P.O. Box 1000 3. Generator State ID: Same
Lake Charles, LA
Columbia Southern Road
 4. Technical Contact: W. H. Cooper 5. Title: Assoc. Research Chemist 6. Phone: (318) 491-4250
 7. Zip Code: 70602

B. MAIL WASTE TECH SERVICES

Company Name: INVOICES TO 1. ☒ Generating Facility (A. above), or
 Address: 3. Phone: ()
 5. Zip Code:

NAME OF WASTE: Derivatives tank clean-out
 PROCESS GENERATING WASTE: Chlorinated Hydrogen Production
 Is this waste a Dioxin listed waste as defined in 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028)?
☐ Yes ☒ No If yes, DO NOT COMPLETE this form.

C. PHYSICAL CHARACTERISTICS OF WASTE

Color: Black to Brown 2. Does the waste have a strong incidental odor?
☐ No ☒ Yes If known, describe: Strong
 3. Physical State @ 70°F:
☐ Solid ☒ Semi-Solid
☐ Liquid ☐ Powder Other:
 4. Layers:
☐ Multilayered
☒ Bi-layered
☐ Single Phased
 5. Specific Gravity:
 Range: 1.05-1.25
 6. Free Liquids:
☒ Yes ☐ No
 Volume: 10-20 %
 pH: ☐ ≤ 2 ☐ > 2-4 ☒ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range ☐ NA
 Liquid Flash Point: ☐ < 73°F ☐ 73-99°F ☐ 100-139°F ☒ 140-199°F ☐ ≥ 200°F ☐ None ☒ Closed Cup ☐ Open Cup

D. CHEMICAL COMPOSITION

	RANGE	
	MIN. - MAX.	
1,2Dichloroethane	4 - 5	%
1,1,2-Trichloroethane	5 - 7	%
1,1,1,2-Tetrachloroethane	1 - 2	%
1,1,2,2-Tetrachloroethane	1 - 2	%
Tetrachloroethane	3 - 4	%
Pentachloroethane	1 - 2	%
Unknowns and Other		%
chlorinated hydrocarbons	3 - 5	%
Water	55 - 70	%
Ash	1 - 3	%

Note: The chemical composition total in the maximum column must be greater than or equal to 100%.

TOTAL: 105 %

Indicate if this waste contains any of the following

NONE or LESS THAN or ACTUAL
 PCB's ☐ ☐ < 50 ppm ☐ ppm
 Cyanides ☐ ☐ < 50 ppm ☐ ppm
 Phenolics ☐ ☐ < 50 ppm ☐ ppm

F. METALS Indicate if this waste contains any of the following:

☒ EP TOX/TCLP or 2. ☐ Total
 METAL LESS THAN or ACTUAL
 (Parts Per Million)
 Arsenic ☐ < 5 ☐ < 500 0.05
 Barium ☐ < 100 ☐ Unk
 Cadmium ☐ < 100 0.65
 Chromium ☐ < 5 178
 Lead ☐ < 5 ☐ < 500 24.8
 Mercury ☐ < 0.2 ☐ < 20 0.56
 Selenium ☐ < 100 0.05
 Silver ☐ < 5 0.97
 Chromium-hex ☐ < 5 ☐ < 500 UNK
 Copper ☐ < 5 UNK
 Nickel ☐ < 5 ☐ < 134 UNK
 Thallium ☐ < 5 ☐ < 130 UNK
 Zinc ☐ < 5 72.5
 SL 021575

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

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3. OTHER HAZARDOUS CHARACTERISTICS

Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004 or F005)?

☒ Yes ☐ No

Does this waste contain greater than 1000 ppm total halogenated organic compounds?

☒ Yes ☐ No

Indicate if this waste is any of the following:

- | | |
|---|--|
| ☒ RCRA Reactive | ☐ Radioactive |
| ☐ Water Reactive | ☐ Etiological |
| ☐ Explosive | ☐ Pesticide Manufacturing Waste |
| ☐ Shock Sensitive | ☐ Other _____ |
| ☐ Pyrophoric | ☒ None of the above |

4. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

	LESS THAN	or	ACTUAL
Berillium	☒ < 5000 ppm		_____ ppm
Potassium	☒ < 5000 ppm		_____ ppm
Sodium	☒ < 5000 ppm		21,000 ppm
Total Br mine	☒ < 2 %		_____ %
Total Chlorine	☒ < 35 %		18.7 %
Total Flu mine	☒ < 1 %		_____ %
Total Sulfur			_____ %

5. OPTIONAL -- RECLAMATION, FUELS, OR INCINERATION PARAMETERS Provide if information is available.

Range

- Heat Value (BTU/lb): 700 - 750
- Water: 65-70 %
- Viscosity (cpsi): _____ @ _____ °F ☐ 100°F ☐ 150°F
- Ash: 7.87 %
- Settleable solids: _____ %
- Vapor Pressure @ STP (mm/Hg): _____
- Is this waste a pumpable liquid? ☒ Yes ☐ No
Type of pump? _____
- Can this waste be heated to improve flow? ☐ Yes ☒ No
- Is this waste soluble in water? ☐ Yes ☒ No
- Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? ☐ Yes ☒ No

6. TRANSPORTATION INFORMATION

- Is this a DOT Hazardous Material? ☒ Yes ☐ No
- Anticipated Annual Volume/Units: 4-6 Drums/ year
- Proper Shipping Name: Hazardous Waste Liquid, n.o.s. ORM-E, F024
- Hazard Class: ORM-E
- I.D. #: NA 9189
- Additional Description: _____
- Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): Dot-21C, 55 gal. Other: _____
- CERCLA Reportable Quantity (RQ): 1 lb
- RQ Units (lb/kg): 1 lb
- USEPA Hazardous Waste? ☒ Yes ☐ No
- USEPA Hazardous Waste Number(s): F024
- State Hazardous Waste? ☒ Yes ☐ No
- State Hazardous Waste Number(s): F024

7. SPECIAL HANDLING INFORMATION

MSDS-LC-005

☐ Additional Page(s) Attached

8. GENERATOR CERTIFICATION I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

Signature

William H. Cooper

2. Associate Research Chemist
Title

SL 021576

3. Name (Type or Print)

4. June 26, 1990
Date

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

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Waste Profile Sheet Code

3. OTHER HAZARDOUS CHARACTERISTICS

Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)?

☐ Yes ☐ No

Does this waste contain greater than 1000 ppm total halogenated organic compounds?

☒ Yes ☐ No

Indicate if this waste is any of the following:

- | | |
|--|--|
| ☐ RCRA Reactive | ☐ Radioactive |
| ☐ Water Reactive | ☐ Etiological |
| ☐ Explosive | ☐ Pesticide Manufacturing Waste |
| ☐ Shock Sensitive | ☐ Other _____ |
| ☐ Pyrophoric | ☒ None of the above |

4. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

	LESS THAN	or	ACTUAL
Beryllium	☒ < 5000 ppm		_____ ppm
Potassium	☒ < 5000 ppm		_____ ppm
Sodium	☒ < 5000 ppm		21,000 ppm
Total Bromine	☒ < 2 %		_____ %
Total Chlorine	☒ < 35 %		18.7 %
Total Fluorine	☒ < 1 %		_____ %
Total Sulfur	☒ < _____ %		_____ %

5. OPTIONAL — RECLAMATION, FUELS, OR INCINERATION

PARAMETERS Provide if information is available.

Range	
1. Heat Value (BTU/lb): 700 - 750	2. Water: 65-70 %
3. Viscosity (cps): _____ @ _____ °F	☐ 100°F ☐ 150°F
4. Ash: 7.87 %	5. Settleable solids: _____ %
6. Vapor Pressure @ STP (mm/Hg): _____	
7. Is this waste a pumpable liquid?	☒ Yes ☐ No
Type of pump? _____	
8. Can this waste be heated to improve flow?	☐ Yes ☒ No
9. Is this waste soluble in water?	☐ Yes ☒ No
10. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen?	
	☐ Yes ☒ No

6. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material?	☒ Yes ☐ No	2. Anticipated Annual Volume/Units: 4-6 Drums / year
3. Proper Shipping Name: Hazardous Waste Liquid, n.o.s., ORM-E, F024		
4. Hazard Class: ORM-E	5. I.D. #: NA 9189	
6. Additional Description: _____		
7. Method of Shipment:	☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): Dot-21C 55 gal	Other: _____
8. CERCLA Reportable Quantity (RQ): 1 lb		9. RQ Units (lb/kg): 1 lb
10. USEPA Hazardous Waste?	☒ Yes ☐ No	11. USEPA Hazardous Waste Number(s): F024
12. State Hazardous Waste?	☒ Yes ☐ No	13. State Hazardous Waste Number(s): F024

7. SPECIAL HANDLING INFORMATION

MSDS-LC-005

☐ Additional Page(s) Attached

8. GENERATOR CERTIFICATION I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

Signature

William H. Cooper

2. Associate Research Chemist
Title

SL 021577

3. Name (Type or Print)

4. June 26, 1990
Date

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK R TYPE (Egts, 12-pitch).

SUBMITTED TO WASTE TECH SERVICES
DATE: July 26, 1991

WTS-005-2

Waste Profile Sheet Code

A. GENERAL INFORMATION

A. GENERAL INFORMATION

1. Generator Name:	PPG Industries, Inc.	2. Generator USEPA ID:	LAD 008086506
3. Facility Address:	P. O. Box 1000	4. Generator State ID:	Same
	Lake Charles, LA		
	(Columbia Southern Road)		
6. Technical Contact:	William H. Cooper	5. Zip Code:	70602
7. Title:	Env. Control Spec.	8. Phone:	(318) 491-4250

B. MAIL WASTE TECH SERVICES

INVOICES TO 1. ☒ **Generating Facility (A, above), or**

2. Company Name: _____ 3. Phone: () _____
4. Address: _____

4. Address: _____

5. Zip Code: _____

C. 1. **NAME OF WASTE** Derivatives Tank Clean-Out
 2. **PROCESS GENERATING WASTE** Production of chlorinated hydrocarbons
 3. Is this waste a Dioxin listed waste as defined in 40 CFR 261.31 (e.g., F020, F021, F022, F023, F026, F027, or F028)?
☐ Yes ☐ No If yes, DO NOT COMPLETE this form.

D. PHYSICAL CHARACTERISTICS OF WASTE

1. Color: <u>Black-</u> <u>Brown</u>	2. Does the waste have a strong incidental odor? ☐ No ☒ Yes If known, describe: <u>Strong</u>	3. Physical State @ 70°F: ☐ Solid ☒ Semi-Solid ☐ Liquid ☐ Powder Other: _____	4. Layers: ☐ Multilayered ☒ Bi-layered ☐ Single Phased	5. Specific Gravity: Range: <u>1.05 - 1.25</u>	6. Free Liquids: ☒ Yes ☐ No Volume: <u>10-25</u>
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7. pH: ☐ ≤ 2 ☐ $> 2-4$ ☒ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range _____ ☐

8. Liquid Flash Point: ☐ < 73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☐ None ☐ Closed Cup ☐ Open

E. CHEMICAL COMPOSITION

[illegible]

Please note: The chemical composition total in the maximum column must be greater than or equal to 100%. T

2. Indicate if this waste contains any of the following:

	NONE	or	LESS THAN	ACTUAL
PCB's	☐		< 50 ppm	<u>27</u> ppm
Cyanides	☐		< 50 ppm	<u> </u> ppm
Phenolics	☐		< 50 ppm	<u> </u> ppm
Sulfides	☐		< 50 ppm	<u> </u> ppm

F. METALS Indicate if this waste contains any of the following:

1. ☐ EP TOX/TCLP		or		2. ☒ Total	
METAL	LESS THAN	or	ACTUAL		
	(Parts Per Million)				
Arsenic	☐ < 5	☐ < 500		0.0	
Barium	☐ < 100			10	
Cadmium	☐ < 1	☐ < 100		0.0	
Chromium	☐ < 5			17	
Lead	☐ < 5	☐ < 500		24	
Mercury	☐ < 0.2	☐ < 20		0.0	
Selenium	☐ < 1	☐ < 100		0.0	
Silver	☐ < 5			0.0	
Chromium-Hex	☐ < 5	☐ < 500		UN	
Copper	☐ < 5			UN	
Nickel	☐ < 5	☐ < 134		UN	
Thallium	☐ < 5	☐ < 130		UN	
Zinc	☐ < 5			72	
	☐ <				
	☐ <				
	☐ <				

SL 021578

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

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Waste Profile Sheet Code

G. OTHER HAZARDOUS CHARACTERISTICS

- Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☐ Yes ☒ No
- Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☒ Yes ☐ No
- Indicate if this waste is any of the following:

☐ RCRA Reactive	☐ Radioactive
☐ Water Reactive	☐ Etiological
☐ Explosive	☐ Pesticide Manufacturing Waste
☐ Shock Sensitive	☐ Other _____
☐ Pyrophoric	☒ None of the above

H. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

	LESS THAN	or	ACTUAL
Beryllium	☐ < 5000 ppm		_____ ppm
Potassium	☐ < 5000 ppm		_____ ppm
Sodium	☐ < 5000 ppm		5800 ppm
Total Bromine	☐ < 2 %		_____ %
Total Chlorine	☐ < 35 %		20.65 %
Total Fluorine	☐ < 1 %		_____ %
Total Sulfur			_____ %

I. OPTIONAL — RECLAMATION, FUELS, OR INCINERATION PARAMETERS Provide if information is available.

- Range
- Heat Value (BTU/lb): 700 - 2040
 - Water: _____
 - Viscosity (cps): _____ @ ☐ _____ °F ☐ 100°F ☐ 150
 - Ash: 6-8 %
 - Settleable solids: _____
 - Vapor Pressure @ STP (mm/Hg): _____
 - Is this waste a pumpable liquid? ☒ Yes ☐ No
Type of pump? _____
 - Can this waste be heated to improve flow? ☐ Yes ☒ No
 - Is this waste soluble in water? ☐ Yes ☒ No
 - Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? ☐ Yes ☒ No

J. TRANSPORTATION INFORMATION

- Is this a DOT Hazardous Material? ☒ Yes ☐ No
- Anticipated Annual Volume/Units: 1-2 tons / year
- Proper Shipping Name: Hazardous Waste Liquid, n.o.s., ORM-E, NA9189, RQ
- Hazard Class: ORM-E
- I.D. #: NA9189
- Additional Description: F024
- Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): DOT21-C, 55 gal Other: _____
- CERCLA Reportable Quantity (RQ): 1
- RQ Units (lb/kg): 1b
- USEPA Hazardous Waste? ☒ Yes ☐ No
- USEPA Hazardous Waste Number(s): F024
- State Hazardous Waste? ☒ Yes ☐ No
- State Hazardous Waste Number(s): F024

K. SPECIAL HANDLING INFORMATION

MSDS- LC-005

☐ Additional Page(s) Attached

L. GENERATOR CERTIFICATION I hereby certify that all information submitted in this and all attached documents contains true accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

1. William H. Cooper
Signature

2. Env. Control Spec.
Title

3. William H. Cooper
Name (Type or Print)

4. July 26, 1991
Date