

PLEASE PRINT IN INK OR TYPE (Eins. 12-onen)

DATE: June 27, 1990

WTS 005.2

Waste Profile Sheet Code

Generator Name: PPG Industries, Inc. 2. Generator USEPA ID: LAD 008086506
Facility Address: P. O. Box 1000 4. Generator State ID: Same
Lake Charles, LA
Columbia Southern Road 5. Zip Code: 70602
6. Technical Contact: W. H. Cooper 7. Title: Assoc. Research Chemist 8. Phone: (318) 491-4256

INVOICES TO 1. ☒ Generating Facility (A. above), or
3. Phone: () -

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.

Color: <u>Black</u> <u>to 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>10-20</u> %
pH: ☐ ≤ 2 ☐ > 2-4 ☒ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range _____ ☐ NA					

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

	RANGE		
	MIN.	MAX.	
1,2Dichloroethane	4	5	26
1,1,2-Trichloroethane	5	7	26
1,1,1,2-Tetrachloroethane	1	2	26
1,1,2,2-Tetrachloroethane	1	2	26
Tetrachloroethane	3	4	26
Pentachloroethane	1	2	26
Unknowns and Other chlorinated hydrocarbons	3	5	26
Water	55	70	26
Ash	-	3	26

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

2. Indicate if this waste contains any of the following

	N	NE	or	LESS THAN	or	ACTUAL	
PCB's				< 50 ppm			ppm
Ovanides				< 50 ppm			ppm
Phenolics				< 50 ppm			ppm
Sulfides							ppm

☒ EP TOX/TCLP or 2. ☐ Total			
METAL	LESS THAN	or ACTUAL	
	(Parts Per Million)		
Arsenic	< 5	< 500	0.05
Barium	< 100		Unk
Cadmium	< 5	< 100	0.65
Chromium	< 5		178
Lead	< 5	< 500	24.8
Mercury	< 0.2	< 20	0.56
Selenium	< 5	< 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 021540

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

WTS-005.2

Waste Profile Sheet Code

3. OTHER HAZARDOUS CHARACTERISTICS

1. Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004 or F005)? ☒ Yes ☐ No
2. Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☒ Yes ☐ No
3. 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		21,000 ppm
Total Bromine	☒ < 2 %		_____ %
Total Chlorine	☒ < 35 %		18.7 %
Total Fluorine	☒ < 1 %		_____ %
Total Sulfur			_____ %

I. 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

J. 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

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 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 Chemi
Title

3. Name (Type or Print)

4. June 26, 1990
Date

SL 021541

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE (Elite, 12-pitch).

SUBMITTED TO WASTE TECH SERVICES

DATE: May 18, 1989

WTS 005.2

Waste Profile Sheet Code

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)
 5. Zip Code: 70602
 6. Technical Contact: W. H. Cooper
 7. Title: Assoc. Research Chemist
 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: _____

 _____ 5. Zip Code: _____

1. NAME OF WASTE Derivatives tank clean-out

2. PROCESS GENERATING WASTE Chlorinated Hydrogen Production

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

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 %
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pH ☐ ≤ 2 ☐ > 2-4 ☒ 4-7 ☐ 7 ☐ 7-10 ☐ 10- < 12.5 ☐ ≥ 12.5 ☐ Range _____ ☐ NA

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

E. 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	65 - 70	%
Ash	7 - 8	%

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

TOTAL: 105 %

2. 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
Sulfides	☒	< 50 ppm	ppm

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

METAL	1. ☒ EP TOX/TCLP	or	2. ☐ Total	LESS THAN	or	ACTUAL
(Parts Per Million)						
Arsenic	☐	< 5	☐	< 500		0.05
Barium	☐	< 100				Unk
Cadmium	☐	< 1	☐	< 100		0.65
Chromium	☐	< 5				178
Lead	☐	< 5	☐	< 500		24.8
Mercury	☐	< 0.2	☐	< 20		0.56
Selenium	☐	< 1	☐	< 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 021542

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

Waste Profile Sheet Code

G. OTHER HAZARDOUS CHARACTERISTICS

1. Is this waste a listed solvent waste as defined by 40 CFR 261.31 (F001, F002, F003, F004, or F005)? ☒ Yes ☐ No
2. Does this waste contain greater than 1000 ppm total halogenated organic compounds? ☒ Yes ☐ No
3. 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		21,000 ppm
Total Bromine	☒ < 2 %		_____ %
Total Chlorine	☐ < 35 %		18.7 %
Total Fluorine	☒ < 1 %		_____ %
Total Sulfur			UNK %

I. 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): UNK @ _____ °F ☐ 100°F ☐ 150°F
 4. Ash: 7.87 %
 5. Settleable solids: UNK %
 6. Vapor Pressure @ STP (mm/Hg): UNK
 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

J. TRANSPORTATION INFORMATION

1. Is this a DOT Hazardous Material? ☒ Yes ☐ No
2. Anticipated Annual Volume/Units: 4 drums / year
3. Proper Shipping Name: Hazardous Waste Liquid, n.o.s.
4. Hazard Class: ORM-E
5. I.D. #: F024, NA 9189
6. Additional Description: _____
7. Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): 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

K. SPECIAL HANDLING INFORMATION

☐ Additional Page(s) Attached

L. 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.

1. William H. Cooper
Signature
William H. Cooper
2. Associate Research Chem
Title
5/16/89
3. _____
Name (Type or Print)
4. _____
Date

SL 021543

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE (Form 12-0000)

SUBMITTED TO WASTE TECH SERVICES

DATE: June 27, 1990

WTS 005.2

Waste Profile Sheet Code

GENERAL INFORMATION

Generator Name: PPG Industries, Inc. 2. Generator USEPA ID: LAD 008086506
 Facility Address: P.O. Box 1000 4. Generator State ID: Same
Lake Charles, LA
Columbia Southern Road
 Technical Contact: M. H. Cooper 7. Title: Assoc. Research Chemist 5. Zip Code: 70602
 8. Phone: (518) 491-4250

3. MAIL WASTE TECH SERVICES

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

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

 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.

D. PHYSICAL CHARACTERISTICS OF WASTE

Color: <u>Black to 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>10-20</u> %
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☐ ≤ 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

E. CHEMICAL COMPOSITION

	RANGE	
	MIN. - MAX.	
<u>1,2-Dichloroethane</u>	<u>4 - 5</u>	<u>2%</u>
<u>1,1,2-Trichloroethane</u>	<u>5 - 7</u>	<u>2%</u>
<u>1,1,1,2-Tetrachloroethane</u>	<u>1 - 2</u>	<u>2%</u>
<u>1,1,1,2-Tetrachloroethane</u>	<u>1 - 2</u>	<u>2%</u>
<u>Tetraenloroethane</u>	<u>3 - 4</u>	<u>2%</u>
<u>Pentaenloroethane</u>	<u>1 - 2</u>	<u>2%</u>
<u>Unknowns and Other</u>	<u>3 - 5</u>	<u>2%</u>
<u>chlorinated hydrocarbons</u>	<u>55 - 70</u>	<u>2%</u>
<u>Water</u>	<u>1 - 3</u>	<u>2%</u>
<u>Asn</u>	<u>1 - 3</u>	<u>2%</u>

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 ☒ 34 < 50 ppm ppm

Dianides ☒ 14 < 50 ppm ppm

Phenolics ☒ 14 < 50 ppm ppm

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

METAL	LESS THAN	or	ACTUAL
	(Parts Per Million)		
☒ EP TOX/TCLP or 2. ☐ Total			
Arsenic	< 5	< 500	0.05
Barium	< 100		Unk
Cadmium	< 1	< 100	0.65
Chromium	< 5		178
Lead	< 5	< 500	24.8
Mercury	< 0.2	< 20	0.56
Selenium	< 1	< 100	0.05
Silver	< 5		0.97
Chromium-hex	< 5	< 500	UNK
Copper	< 1		UNK
Nickel	< 1	< 134	UNK
Thallium	< 1	< 130	UNK
Zinc	< 1		72.5

SL 021544

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

TS-103.1

Waste Profile Sheet Code

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 |

COMPLETE ONLY FOR WASTES INTENDED FOR FUELS or INCINERATION

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

	LESS THAN	or	ACTUAL
Arbitrium	☐ < 5000 ppm		_____ ppm
Massium	☐ < 5000 ppm		_____ ppm
Merum	☐ < 5000 ppm		27,000 ppm
Cal Bromine	☐ < 1%		_____ %
Cal Chlorine	☐ < 15%		3.7%
Cal Fluorine	☐ < 1%		_____ %
Cal Sulfur	☐ < 1%		_____ %

- Range
1. Heat Value (BTU/lb): 700 - 750 2. Water: 65-70 %
3. Viscosity (cSt): _____ @ _____ °F ☐ 100°F ☐ 150°F
4. Ash: _____ % 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

TRANSPORTATION INFORMATION

- Is this a DOT Hazardous Material? ☒ Yes ☐ No 2. Anticipated Annual Volume/Units: 424 Drums / year
- Prop or Ship ing Name: Hazardous Waste Liquid, D.O.S. ORM-E, F024
- Hazard Class: 3. I.D. #: 12 3169
- Additional Description: _____
- Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drum (Type/Size): 300-210 55 gal. Other: _____
- CERCLA Reportable Quantity (RQ): _____ 9. RQ Units (lb/kg): _____
- USEPA Hazardous Waste? ☒ Yes ☐ No USEPA Hazardous Waste Number(s): F024
- State Hazardous Waste? ☒ Yes ☐ No 10. State Hazardous Waste Number(s): F024

11. SPECIAL HANDLING INFORMATION

MSDS-10-005

☐ Additional Page(s) Attached

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

Associate Research Chemist

Title

June 26, 1990

Date

Name (Type or Print)

SL 021545