



Rollins Environmental Services (TX) Inc.

P. O. Box 609, Deer Park, Texas 77536 (713) 479-6001

HO 11509

WILL BE ASSIGNED BY RES(TX)

1 BILLING INFORMATION		2 PICK-UP LOCATION													
COMPANY NAME <u>PPG Industries, Inc.</u>		COMPANY NAME <u>PPG Industries, Inc.</u>													
ADDRESS <u>PO Box 1000</u>		ADDRESS <u>PO Box 1000</u>													
CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70602</u>		CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70602</u>													
CONTACT <u>Jere Clark</u> PHONE <u>(318)491-4215</u>		CONTACT <u>Mike Huber</u> PHONE <u>(318)491-4</u>													
3 MANIFEST INFORMATION		4 GENERATOR INFORMATION													
COMPANY NAME <u>PPG Industries, Inc.</u>		USEPA ID <u>LAD_00806506</u> TWC ID <u>99922</u>													
ADDRESS <u>PO Box 1000</u>		NAME <u>Gerald Perry</u> PHONE <u>(318)491-</u>													
CITY <u>Lake Charles</u> STATE <u>LA</u> ZIP <u>70602</u>		TECHNICAL CONTACT													
CONTACT <u>Anne Corbello</u> PHONE <u>(318)491-4364</u>		NAME <u>Shift Superintendent</u> PHONE <u>(318)491-</u>													
		EMERGENCY CONTACT													
5 GENERAL INFORMATION															
GENERAL WASTE DESCRIPTION <u>Sludge Kettle Bottoms >50 ppm PCBs</u>															
PROCESS GENERATING WASTE <u>Production of Chlorinated Hydrocarbons Waste Recovery Ur</u>															
QUANTITY GENERATED <u>50 Tons</u> PER <u>Week</u> FREQUENCY OF REMOVAL <u>2</u> TIME(S) PER <u>Week</u>															
UNITS TIME NUMBER PERIOD															
6 SHIPPING INFORMATION															
D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO TEXAS WASTE CODE NO. <u>951250</u>															
D.O.T. PROPER SHIPPING NAME <u>Waste Flammable Liquid, n.o.s.</u>															
D.O.T. HAZARD CLASS <u>Flammable Liquid</u> D.O.T. ID. NO. <u>UN 1993</u> RO <u>1 pound</u>															
USEPA HAZARDOUS WASTE NUMBER(S) <u>F024, D001</u>															
REASON FOR THE ABOVE CLASSIFICATION(S) <u>Concentration of Chlorinated Hydrocarbons</u>															
<table border="1" style="width:100%"><thead><tr><th>HAZARDOUS SUBSTANCE</th><th>CONCENTRATION</th><th>HAZARDOUS SUBSTANCE</th><th>CONCENTRATION</th></tr></thead><tbody><tr><td><u>Chlorinated Hydrocarbons</u></td><td><u>5-30 %</u></td><td></td><td></td></tr><tr><td><u>Polychlorinated Biphenyls</u></td><td><u>>50 ppm</u></td><td></td><td></td></tr></tbody></table>				HAZARDOUS SUBSTANCE	CONCENTRATION	HAZARDOUS SUBSTANCE	CONCENTRATION	<u>Chlorinated Hydrocarbons</u>	<u>5-30 %</u>			<u>Polychlorinated Biphenyls</u>	<u>>50 ppm</u>		
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<u>Chlorinated Hydrocarbons</u>	<u>5-30 %</u>														
<u>Polychlorinated Biphenyls</u>	<u>>50 ppm</u>														
7 SHIPPING METHOD															
☐ ENCLOSED VAN ☐ OPEN TOP VAN ☐ DUMP BIN															
☐ TANK TRUCK ☐ VACUUM TRUCK ☐ DUMP TRUCK ☐ CUSTOMER DELIVERY															
☐ TANK CAR ☒ FLATBED ☐ ROLL-OFF BIN ☐ OTHER _____															
8 GENERATOR'S METHOD OF COLLECTION															
DRUMS TYPE / SIZE <u>DOT 21-C 55 gal</u> TANK _____ OTHER _____															
OTHER SHIPPING REQUIREMENTS OR INFORMATION _____															
9															
☐ ADDITIONAL DATA ATTACHED ☐ SAMPLE PROVIDED ☐ GENERATORS SAMPLE NO. _____ SL <u>046320</u>															

EVERY ITEM ON THIS WASTE DATA SHEET MUST BE COMPLETE

Sludge Kettle Bottoms >50 ppm PCB's

HO-41509

10 HAZARDOUS CHARACTERISTICS

☐ OSHA LISTED COMPOUNDS☐ PESTICIDES WITH SPECIFIC DISPOSAL REQUIREMENTS☐ ETIOLOGICAL AGENTS☐ RADIOACTIVE☒ PCB's $\geq$ 50 ppm☐ INFECTIOUS AGENTS☐ DIOXIN☐ BIOLOGICAL MATERIALS☐ PATHOGENS☐ ASBESTOS

11 CHEMICAL COMPOSITION *Reference LL#s 415 & 801 SHOULD TOTAL 100%

CHEMICAL NAME	CONC %	CHEMICAL NAME	CONC %
Water 9-50%	Chloroethane 0-.1%	Trichloroethene .1-5%	
Ash 10-15%	1,2-Dichloroethene 0-.5%	Tetrachloroethene 10-30%	
Solids 10-35%	Trichloromethane 0-1.0%	1,1,2,2-Tetrachloroethane .1-1%	
Chloroethane 0-0.1%	1,2-Dichloroethane .1-10%	Hexachloroethane .1-1%	
	Tetrachloromethane 0-.1%	Hexachlorobutene .1-1%	

PLEASE ATTACH ADDITIONAL SHEETS AS REQUIRED

12 CHARACTERISTICS

COLOR: Black

APPEARANCE: Sludge

ODOR:

☐ NONE☐ MILD☒ STRONG

OTHER:

PHYSICAL STATE @ 70°F

☐ GASEOUS☐ SOLID☐ LIQUID☒ SEMI-SOLID☐ POWDER

LAYERING:

☒ NONE☐ BI-LAYERED☐ MULTI-LAYERED

FREE LIQUID:

☒ YES ☐ NO

% BY VOLUME 10-50 %

CORROSIVITY

pH _____

IGNITABILITY

Flash Point, °F _____

Vapor Pressure, mm Hg @ 25°C _____

Corrosion Rate, ipy _____

☐ Open Cup ☐ Closed Cup

Specific Gravity _____

13 METALS

TOTAL/UNITS	TCLP or EP TOX/UNITS	TOTAL/UNITS	TCLP or EP TOX/UNITS
Ag _____	_____	Pb _____	_____
As _____	_____	Se _____	_____
Ba _____	_____	Cu _____	_____
Cd _____	_____	K _____	_____
Cr _____	_____	Na _____	_____
Hg _____	_____	Mn _____	_____
P _____	_____	Sn _____	_____
Sb _____	_____	Zn _____	_____
Si _____	_____	Tl _____	_____
Be _____	_____	Ni _____	_____

14 REACTIVITY

☐ EXPLOSIVE☐ PYROPHORIC☐ REACTIVE☐ REACTI

CYANIDE

SULFID

☐ WATER REACTIVE☐ SHOCK SENSITIVE

OTHER: _____

15 % TOTAL HALOGENS

FLUORINE _____ BROMINE _____ CHLORINE _____ IODINE _____

16 OTHER PROPERTIES

▲ H COMBUSTION _____ BTU/#

MELTING POINT _____ °F CHLORIDES _____ % ASH _____ %

BOILING POINT _____ °F TOC _____ mg/l TOTAL CN _____ %

TOTAL SOLIDS _____ % BOD _____ mg/l TOTAL S _____ %

TOTAL DISSOLVED SOLIDS _____ % COD _____ mg/l VISCOSITY _____ cP

17 EP TOX ORGANICS

ENDRIN _____ ppm

LINDANE _____ ppm

METHOXYCHLOR _____ ppm

TOXAPHENE _____ ppm

2,4 - DICHLORPHENOXYACETIC ACID _____ ppm

2,4,5 - TRICHLOROPHENOXYPROPIONIC ACID _____ ppm

18 LAND DISPOSAL RESTRICTIONS

IS THIS WASTE RESTRICTED FROM DIRECT LAND DISPOSAL BY ANY REGULATIONS THAT ARE IN EFFECT ON THE DATE OF THIS WASTE DATA SHEET? ☒ YES ☐ NO

IF YES, DESCRIBE WHICH RESTRICTION(S) APPLIES TO THIS WASTE. SEE 40CFR PART 268

California List, Liquid Hazardous Waste containing >1000 ppm HOCs and
>50 ppm PCBs.

SL 046321

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I HEREBY CERTIFY AND WARRANT THAT THE INFORMATION SUPPLIED ON THIS FORM AND ON ANY ATTACHMENTS OR SUPPLEMENTS REGARDING THE IDENTIFICATION OF THIS WASTE, ITS CONSTITUENTS AND ITS KNOWN OR SUSPECTED HAZARDS IS COMPLETE AND ACCURATE. I FURTHER CERTIFY AND WARRANT THAT THE IDENTIFICATION IS THE RESULT OF AN ANALYSIS OF A REPRESENTATIVE SAMPLE OF THE WASTE OBTAINED AND ANALYZED IN ACCORDANCE WITH TESTING PROCEDURES OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY OR BY THE APPLICATION OF KNOWLEDGE OF THE PROCESS GENERATING THE WASTE.

SIGNATURE

Gerald Perry

GERALD PERRY

TITLE

Env. Specialist 9/12/8

DATE

WASTE ANALYSIS REPORT

Environmental Laboratory
PPG Industries, Inc., Lake Charles, LA

Profile #
WTS-023
WTS-005.1

Sample - Sludge Kettle Bottoms
Location of Sample - Derivatives, East of South Classifier, drums
Sample Collector - Rommie G. Louviere, Trick Foreman
Sample Method/Device - 5 of 30 drums, random grabs /scoop
Date of Sampling - 9/7/88 1400
Date All Analyses Completed - 9/21/88 Report Submitted by: F. Anne Corbell
9/27/88

ANALYSIS RESULTS

Test Parameters		Standard	Lab Log Sample Identification Number 801			
Ignitability () - N/A		140 F min	801			
Corrosivity () - N/A	pH	2 - 12.5	11.4			
	inch/yr	0.250 max				
Reactivity () - N/A						
(mg/L) Total Metals () - N/A (ppm)	As	5.0 max	0.15			
	Ba	100.0 max	228.			
	Cd	1.0 max	0.97			
	Cr	5.0 max	14.3			
	Pb	5.0 max	2.43			
	Hg	0.2 max	0.374			
	Se	1.0 max	0.24			
	Ag	5.0 max	1.71			
	Nickel (Ni)		58.7			
	Copper (Cu)		335.			
Other Parameters (if needed) () - N/A ND: None Detected	Beryllium (Be)		0.49			
	CHLORINATED HYDROCARBONS (%)					
	Chloroethane (VC)			PCB	21 ppm	
	Chloroethane (EC)		ND			
	Dichloroethane (MC12)			Sodium	3.9 %	
	1,1-Dichloroethane (VCI)					
	1,1-Dichloroethane (DCI)		ND	Heat Value	555.3 BTU/lb.	
	1,2-Dichloroethane (cis/trans)					
	Trichloroethane (CC13)		ND	Chlorine	21.04 %	
	1,2-Dichloroethane (DCI)		0.11			
	1,1,1-Trichloroethane (CC1)			Water	28.1 %	
	Tetrachloroethane (CC14)					
	Trichloroethane (Trichlor)		0.21	Density	1.365 g/mL	
	1,1,2-Trichloroethane (TCE)		ND			
	1,1,1,2-Tetrachloroethane (unsym)		ND	Ash	0.16	
	1,1,2,2-Tetrachloroethane (sym)		0.09			
	Tetrachloroethane (Perchlor)		20.86			
	Pentachloroethane (Penta)		ND			
	Hexachloroethane (Hexa)		0.11			
	Hexachlorocyclopentadiene (HCCD)		0.166			
	p,p'-Dichlorobenzene (p-DCB)		0.03			
	UNKNOWN		2.66			
TOTAL CHC			24.72 %			

SL 046322

LL 801

TEST PROCEDURE

Parameter	Method Used																																																
Ignitability ☐ N/A	☐ Pensky-Martens Closed Cup Tester ASTM Standard D-93-79 ☐ Setaflash Closed Cup Tester ASTM Standard D-3278-78 ☐ Other (specify)																																																
Corrosivity (pH) ☐ N/A	☒ SW-846 Method 9040 pH Measurement ☐ Other (specify)																																																
Corrosivity (inch/yr) ☒ N/A	☐ National Association of Corrosion Engineers Standard TM-01-69 ☐ Other (specify)																																																
Reactivity ☒ N/A (One affirmative answer will classify waste reactive)	1) Normally unstable without detonating? 2) Reacts violently with water? 3) Forms potentially explosive mixture with water? 4) Cyanide or sulfide bearing waste which can generate toxic gases, vapor or fumes under pH conditions between 2 and 12.5? 5) Capable of detonation or explosive reaction if subjected to strong initiating source or if heated under confinement? 6) Readily capable of detonation or explosive decomposition reaction at standard temperature and pressure? 7) Forbidden Class A, or Class B explosive as defined in 49 CFR 173.51, 173.53, and/or 173.88?																																																
EP Toxicity SW-846 (Method 1310) ☐ N/A SW 846-3050 TCLP* ☒ N/A	<table border="1"> <thead> <tr> <th>Parameter</th> <th>SW 846 Method</th> <th>Parameter</th> <th>SW 846 Method</th> <th>Parameter</th> <th>Method Used</th> </tr> </thead> <tbody> <tr> <td>As</td> <td>7061</td> <td>As</td> <td>7760</td> <td>PCBs</td> <td>LD 2571</td> </tr> <tr> <td>Ba</td> <td>6010</td> <td>CLHC</td> <td>5030</td> <td>CLHC</td> <td>LD 2562A</td> </tr> <tr> <td>Cd</td> <td>6010</td> <td>Sodium</td> <td>3050/6010</td> <td>Heat Value</td> <td>LD 2562B</td> </tr> <tr> <td>Cr</td> <td>6010</td> <td>Nickel</td> <td>7520</td> <td>Chlorine</td> <td>LD 2562D</td> </tr> <tr> <td>Pb</td> <td>7420</td> <td>Copper</td> <td>7210</td> <td>Water</td> <td>LD 2566</td> </tr> <tr> <td>Hg</td> <td>7470</td> <td>Beryllium</td> <td>6010</td> <td>Ash</td> <td>LD 2561</td> </tr> <tr> <td>Se</td> <td>7741</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Parameter	SW 846 Method	Parameter	SW 846 Method	Parameter	Method Used	As	7061	As	7760	PCBs	LD 2571	Ba	6010	CLHC	5030	CLHC	LD 2562A	Cd	6010	Sodium	3050/6010	Heat Value	LD 2562B	Cr	6010	Nickel	7520	Chlorine	LD 2562D	Pb	7420	Copper	7210	Water	LD 2566	Hg	7470	Beryllium	6010	Ash	LD 2561	Se	7741				
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* Toxicity Characteristic Leaching Procedure

LABORATORY IDENTIFICATION

Laboratory: PPG EnvLab, CORE Lab	Test Parameters Analyzed and Date
Analyst(s): CMEKT (CORE Lab)	Metals 9/19/88
Robert K. Pertuit	PCBs 9/19/88
Tammy Vizen	CLHC, Heat Value, Cl ₂ , pH, H ₂ O, density, Ash 9/15/88
Gil Ford	Sodium 9/14/88

cc: File 505.4.07
 Anne C rbell
 Mike Huber
 WTS-023 File WTS-1
 File 505.6.W-05

File 505.6.87 (HO-41508)
 EnSCO

SL 046323

☐ No additions or change ☒ changes have been made

E. Sanguay (HO-41509)

A. GENERATOR INFORMATION

 1. Company Name: P.P. Ind. Inc.
 2. Address: P.O. Box 1000
 3. City: LAKE CHARLES 4. State: LA 5. Zip Code: 70602
B. REFERENCE RES UNIFORM WASTE DATA SHEET

 1. Lab Reference Number: HO/BR/OP/W/L (Circle One): List Number: 41509
 2. Waste Description: SLUDGE KETTLE BOTTOMS >50 PPM PCB'S
C. REVISION TO RES UNIFORM WASTE DATA SHEET CHEMICAL CONSTITUENTS SECTION I AND EPA CODE SECTION F

CONSTITUENT	CONCENTRATION LEVEL/RANGE	EPA CODE	CONSTITUENT	CONCENTRATION LEVEL/RANGE	EPA CODE

D. ADDITIONAL AMENDMENTS OR CHANGES (IF ANY)

 1. PLEASE ADD 0002 DUE TO PH. OF 1.4 STD UNIT.
 2.
 3.
E. REGULATORY STATUS
☒ YES ☐ NO EPA RCRA Hazardous Waste
☒ YES ☐ NO TSCA Waste

F. INFORMATION (SECTION C, D AND E) VERIFIED BY (CHECK BELOW)

 1. ☐ Analytical Testing (Please Attach Analysis Results)
 2. ☒ Knowledge of the Process Generating the Waste (analytical data may be requested).

G. CERTIFICATION

I hereby certify and warrant that the information on this form, any attachments or supplements, and on any current active Uniform Waste Data Sheet applicable to this waste material represents a complete and accurate identification and description by the generator company of this waste material, its constituents and its known or suspected hazards.

 NAME: GERALD L. PERRY SIGNATURE: Gerald L. Perry
 TITLE: SOIL ENVIRONMENTAL CONTROL SPECIALIST DATE: 08/17/92



ROLLINS ENVIRONMENTAL SERVICES
UNIFORM WASTE DATA SHEET
(SCHEDULE A)



(SHADED AREAS FOR RES USE ONLY)

DOC. NO. _____ RES SALES EXEC: # _____ STREAM NO. HO-41509-43-S
SAMPLE NO. _____ CONTRACT NO. _____

A. GENERATOR INFORMATION

1. Generator Name: PPG Industries, Inc.
2. Technical Contact: William H. Cooper Associate Research Chemist 3. Phone No. 318-491-
(Title) _____
4. Emergency Contact: Shift Superintendent Same 5. Phone No. 318-491-43
(Title) _____
6. Generator USEPA I.D.: LAD008086506
7. Generator State I.D.: N/A
8. Disposal State I.D.: TW ID 99922

B. PICK UP LOCATION

1. Company Name: PPG Industries, Inc.
2. Address: Columbia Southern Road
3. City: Westlake 4. State: LA 5. Zip Code: 70669
6. Pickup Contact: Charles Parnell Area Foreman, Env. 7. Phone No. 318-491-48
(Title) _____

C. MANIFEST INFORMATION

1. Company Name: PPG Industries, Inc.
2. Address: P O Box 1000
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602
6. Manifest Contact: Vicki Cormier, Env. Secretary 7. Phone No. 318-491-48
(Title) _____

D. INVOICE INFORMATION

1. Company Name: PPG Industries, Inc.
2. Address: P O Box 1000
3. City: Lake Charles 4. State: LA 5. Zip Code: 70602
6. Invoice Contact: Ginger Busby Accounts Payable Clerk 7. Phone No. 318-491-45
(Title) _____

E. GENERAL WASTE DESCRIPTION

1. Name of Waste: Sludge Kettle Bottoms >50 ppm PCBs
2. Process Generating Waste: Production of chlorinated hydrocarbons
3. Quantity Generated: 100 tons Per Month
(Year/Month) _____

F. SHIPPING INFORMATION

Yes	No		
☒	☐	1. EPA RCRA Hazardous Material	2. EPA Hazardous Waste Number(s):
☒	☐	3. Disposal State Regulated Material	_____
☒	☐	4. DOT Regulated Material	<u>F024, D001</u>
		5. State Waste Number: Generating State: <u>F024</u>	Disposal State: <u>951250</u>
		6. Proper DOT Shipping Name: <u>Waste Flammable Liquid, n.o.s., Flammable Liquid (F024, D001</u> <u>contains polychlorinated biphenyls) UN1993 RQ</u>	
		7. DOT Hazard Class: <u>Flammable Liquid</u>	8. DOT UN/NA No.: <u>UN1993</u> 9. RQ (lbs) <u>1</u>

G. METHOD OF SHIPMENT

1. ☐ Drums: Type/Size: _____ 2. ☒ Bulk: Type/Size: Vacuum Truck/110 Bar
3. ☐ Other (Please be specific): _____
4. ☐ Transportation Requirements: _____

SL 046325

K. REACTIVE CHARACTERISTICS

Yes No

- ☐ ☒ 1. Explosive
☐ ☒ 2. Pyrophoric
☐ ☒ 3. Shock Sensitive
☐ ☒ 4. Water Reactive

Yes No

- ☐ ☒ 5. Air Reactive
☐ ☒ 6. Reactive Cyanide: _____
☐ ☒ 7. Reactive Sulfide: _____
☐ ☒ 8. Oxidizer: _____
☐ ☐ 9. Other: _____

L. ELEMENTAL ANALYSIS (Total Metals required for incinerable waste;
TCLP or EpTox Metals required for landfill waste.)

	Total/Units
1. Antimony	<3.33 / ppm*
2. Beryllium	<3.33 / ppm*
3. Copper	10 / ppm
4. Nickel	4.5 / ppm
5. Thallium	<8.3 / ppm
6. Zinc	54 / ppm

	Total/Units	TCLP or EpTox/ Units
7. Arsenic	<0.17 / ppm	/
8. Barium	110 / ppm	/
9. Cadmium	<0.83 / ppm	/
10. Chromium	<3.3 / ppm	/
11. Lead	<17 / ppm	/
12. Mercury	<0.10 / ppm	/
13. Selenium	<0.33 / ppm	/
14. Silver	<3.3 / ppm	/

Additional Requirements for RES (TX) Inc.:

15. Manganese 2.3 / ppm
 16. Potassium 40-50 / ppm *

17. Silicon 4-6 / %* *Based on process knowledge
 18. Sodium 3.5-4.5% /

Additional Requirements for RES (NJ) Inc.:

19. Molybdenum /
 20. Vanadium /

M. TCLP ORGANICS

D037-hexachloroethane, D024-Chlorobenzene, D036-Hexachlorobutadiene

N. DISPOSAL CERTIFICATIONS

1. Is this waste excluded from direct land disposal by land disposal regulations that are in effect on the date of this Waste Data Sheet?

☒ Yes ☐ No

If yes, describe which restriction(s) applies to this waste. (See 40CFR268 and 40CFR761.)

California

2. Under 40CFR268, can this waste be landfilled directly or chemically stabilized and landfilled? ☐ Yes ☒ No

If yes, completed RES Certification Form must be attached to each Manifest.

3. Under 40CFR268, should this waste be incinerated? ☒ Yes ☐ No

If yes, completed RES Certification Form must be attached to each manifest.

4. Additional information _____

I hereby certify and warrant that the information supplied on this form and on any attachments or supplements represents a complete and accurate identification and description of this waste material, its constituents and its known or suspected hazards. I further certify and warrant that this information is the result of an analysis of a representative sample of the waste obtained and analyzed in accordance with testing procedures of the U.S. Environmental Protection Agency or by the application of knowledge of the process generating the waste materials.

SIGNATURE: William H. Cooper

TITLE: Associate Research Chemist

DATE: May 19, 1989

SL 04632



INDUSTRIES

PPG INDUSTRIES, INC. CHEMICAL DIVISION - U.S. P. O. BOX 1000 LAKE CHARLES, LA. 70602

ADDITIONAL CHEMICAL COMPOSITION

SECTION I

CHEMICAL NAME

CONCENTRATION

ASH

10-12%

SL 046327

FPG INDUSTRIES, INC.
LAKE CHARLES, LA 70602

WASTE TECH INCINERATOR FEED ANALYSIS

SAMPLE DATE:
SAMPLE DESCRIPTION:

9/07/88
LL 801

SAMPLE: 38257026

COMPONENT		Weight %	Heat Value	Chlorine %
Chloroethane	EtCl		0.0	0.00
1,1-Dichloroethane	1,1-EDC	0.00	0.0	0.00
Chloroform	CHCL3		0.0	0.00
1,2-Dichloroethane	1,2-EDC	0.11	5.9	0.08
Carbon Tetrachloride	CCL4		0.0	0.00
Trichloroethene	TRICHLOR	0.21	6.6	0.17
1-Bromo, 2-Chloroethane	ECB		0.0	0.00
1,1,2-Trichloroethane	TCE		0.0	0.00
Tetrachloroethene	PERCHLOR	20.86	446.3	17.84
1,1,1,2-Tetrachloroethane	UNSYM		0.0	0.00
1,1,2,2-Tetrachloroethane	SYM	0.09	2.3	0.08
Pentachloroethane	PENTA		0.0	0.00
para-Dichlorobenzene	p-DCB	0.03	2.5	0.01
Hexachloroethane	HEXA	0.11	9.0	0.05
Hexachlorobutadiene-1,3	HCBD	0.66	25.2	0.54
Total Unknowns *		2.66	57.0	2.27
		=====	=====	=====
	CLHC			
	TOTALS->	24.73	555.3	21.04
			BTU/LB	% Chlorine

pH 11.4
Water, wt % 28.60
Density, g/mL 1.365
Sodium, wt % 3.9
Ash, wt% 0.16

K. Kaub
Approved
9/15/88
Date

* NOTE: H.V. and % Cl2 calculated using Perchlor factors.

DISTRIBUTION:

J. Williams/B. Reynolds
K. V. Kaub
W. Cooper

G. Brunet
A. Corbello
Lab File D29.1

FPG INDUSTRIES, INC.
LAKE CHARLES, LA 70602

WATER CALCULATION ON ORGANIC WASTE SAMPLES

SAMPLE DESCRIP. LL 801 SL KET BTM
SAMP. DATE 9/07/88

SAMPLE ID - 88257026

Centr. tube wt.	29.237		
Centr. tube + Samp wt.	37.038	7.801	Sample wt.
		27.501	Samp + MeOH
Vol flask wt.	24.559		
Vol flask + Aliq. I	25.428	0.869	Aliq. I wt
		20.569	Aliq. I + MeOH
Syringe + Aliq. II	16.750		
Syringe	16.670	0.08	Aliq. II wt.
Microgram H2O in Aliq II	310.8		
Syringe + MeOH blank	25.632		
Syringe	25.553	0.079	MeOH blank wt
Microgram H2O in MeOH blank	36.6		

H2O in Aliq. II 36.61911
due to MeOH

H2O in Aliq. II 274.1808
corrected

Wt. % H2O in Sample 28.60

SL 046329

Amor Cordis



HO 41509

1 BILLING INFORMATION COMPANY NAME PPG Industries, Inc. ADDRESS PO Box 1000 CITY Lake Charles STATE LA ZIP 70602 CONTACT Jere Clark PHONE (318) 491-4215	2 PICK-UP LOCATION COMPANY NAME PPG Industries, Inc. ADDRESS PO Box 1000 CITY Lake Charles STATE LA ZIP 70602 CONTACT Mike Huber PHONE (318) 491-485												
3 MANIFEST INFORMATION COMPANY NAME PPG Industries, Inc. ADDRESS PO Box 1000 CITY Lake Charles STATE LA ZIP 70602 CONTACT Anne Corbello PHONE (318) 491-4364	4 GENERATOR INFORMATION USEPA ID LAD_00806506 TWC ID 99922 NAME Gerald Perry PHONE (318) 491-4364 TECHNICAL CONTACT NAME Shift Superintendent PHONE (318) 491-4364 EMERGENCY CONTACT												
5 GENERAL INFORMATION GENERAL WASTE DESCRIPTION Sludge Kettle Bottoms >50 ppm PCBs PROCESS GENERATING WASTE Production of Chlorinated Hydrocarbons Waste Recovery Unit QUANTITY GENERATED 50 Tons PER Week FREQUENCY OF REMOVAL 2 TIME(S) PER Week UNITS TIME NUMBER PERIOD													
6 SHIPPING INFORMATION D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO TEXAS WASTE CODE NO. 951250 D.O.T. PROPER SHIPPING NAME HAZARDOUS WASTE, SOLID, n.o.s. D.O.T. HAZARD CLASS ORM-E DOT ID NO. NA 9189 PG 1 pound USEPA HAZARDOUS WASTE NUMBER(SI) F024 REASON FOR THE ABOVE CLASSIFICATION(SI) Concentration of Chlorinated Hydrocarbons													
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 30%;">HAZARDOUS SUBSTANCE</th> <th style="width: 30%;">CONCENTRATION</th> <th style="width: 30%;">HAZARDOUS SUBSTANCE</th> <th style="width: 30%;">CONCENTRATION</th> </tr> </thead> <tbody> <tr> <td>Chlorinated Hydrocarbons</td> <td>5-30 %</td> <td></td> <td></td> </tr> <tr> <td>Polychlorinated Biphenyls</td> <td>>50 ppm</td> <td></td> <td></td> </tr> </tbody> </table>		HAZARDOUS SUBSTANCE	CONCENTRATION	HAZARDOUS SUBSTANCE	CONCENTRATION	Chlorinated Hydrocarbons	5-30 %			Polychlorinated Biphenyls	>50 ppm		
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Chlorinated Hydrocarbons	5-30 %												
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7 SHIPPING METHOD ☐ ENCLOSURE VAN ☐ OPEN TOP VAN ☐ DUMP BIN ☐ TANK TRUCK ☐ VACUUM TRUCK ☐ DUMP TRUCK ☐ CUSTOMER DELIVERY ☐ TANK CAR ☒ FLATBED ☐ ROLL-OFF BIN ☐ OTHER _____													
8 GENERATOR'S METHOD OF COLLECTION DRUMS TYPE / SIZE DOT 21-C 55 gal TANK OTHER _____ OTHER SHIPPING REQUIREMENTS OR INFORMATION _____													
9 ADDITIONAL DATA ATTACHED ☐ SAMPLE PROVIDED ☐ GENERATORS SAMPLE NO SL 046330													

EVERY ITEM ON THIS WASTE DATA SHEET MUST BE COMPLETE

Sludge Kettle Bott : >50 ppm PCB's

40-4509

10 HAZARDOUS CHARACTERISTICS

- ☐ OSHA LISTED COMPOUNDS ☐ RADIOACTIVE ☐ DIOXIN
☐ PESTICIDES WITH SPECIFIC DISPOSAL REQUIREMENTS ☒ PCB's $\geq$ 50 ppm ☐ BIOLOGICAL MATERIALS
☐ ETIOLOGICAL AGENTS ☐ INFECTIOUS AGENTS ☐ PATHOGENS
☐ ASBESTOS

11 CHEMICAL COMPOSITION *Reference L#s 415 & 801 SHOULD TOTAL 100%

CHEMICAL NAME	CONC %	CHEMICAL NAME	CONC %
Water 9-50%	Chloroethane 0-.1%	Trichloroethene .1-5%	
Ash 10-15%	1,2-Dichloroethene 0-.5%	Tetrachloroethene 10-30%	
Solids 10-35%	Trichloromethane 0-1.0%	1,1,2,2-Tetrachloroethane .1-1%	
Chloroethene 0-0.1%	1,2-Dichloroethane .1-10%	Hexachloroethane .1-1%	
	Tetrachloromethane 0-.1%	Hexachlorobutene .1-1%	

PLEASE ATTACH ADDITIONAL SHEETS AS REQUIRED

12 CHARACTERISTICS

COLOR: Black	ODOR: ☐ NONE ☐ MILD ☒ STRONG	PHYSICAL STATE @ 70 F: ☐ GASEOUS ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER	LAYERING: ☒ NONE ☐ BI-LAYERED ☐ MULTI-LAYERED	FREE LIQUID: ☐ YES ☒ NO % BY VOLUME _____
APPEARANCE: Sludge	OTHER _____			

CORROSIVITY: pH _____	IGNITABILITY: Flash Point, F _____ ☐ Open Cup ☐ Closed Cup	Vapor Pressure, mm Hg @ 25°C _____ Specific Gravity _____
Corrosion Rate, ipy _____		

13 METALS

TOTAL/UNITS	TCLP or EP TOX/UNITS	TOTAL/UNITS	TCLP or EP TOX/UNITS
Ag _____	_____	Pb _____	_____
As _____	_____	Se _____	_____
Ba _____	_____	Cu _____	_____
Cd _____	_____	K _____	_____
Cr _____	_____	Na _____	_____
Hg _____	_____	Mn _____	_____
P _____	_____	Sn _____	_____
Sb _____	_____	Zn _____	_____
Si _____	_____	Tl _____	_____
Be _____	_____	Ni _____	_____

14 REACTIVITY

- ☐ EXPLOSIVE ☐ PYROPHORIC ☐ REACTIVE CYANIDE ☐ REACTIVE SULFIDE
☐ WATER REACTIVE ☐ SHOCK SENSITIVE OTHER: _____

15 % TOTAL HALOGENS

FLUORINE _____ BROMINE _____ CHLORINE _____ IODINE _____

16 OTHER PROPERTIES

▲ H COMBUSTION _____ BTU/#

MELTING POINT _____ °F CHLORIDES _____ % ASH _____ %

BOILING POINT _____ °F TOC _____ mg/l TOTAL CN _____ %

TOTAL SOLIDS _____ % BOD _____ mg/l TOTAL S _____ %

TOTAL DISSOLVED SOLIDS _____ % COD _____ mg/l VISCOSITY _____ cP

17 EP TOX ORGANICS

ENDRIN _____ ppm	METHOXYCHLOR _____ ppm	2,4-DICHLOROPHENOXYACETIC ACID _____ ppm
LINDANE _____ ppm	TOXAPHENE _____ ppm	2,4,5-TRICHLOROPHENOXYPROPIONIC ACID _____ ppm

18 LAND DISPOSAL RESTRICTIONS

IS THIS WASTE RESTRICTED FROM DIRECT LAND DISPOSAL BY ANY REGULATIONS THAT ARE IN EFFECT ON THE DATE OF THIS WASTE DATA SHEET? ☒ YES ☐ NO

IF YES, DESCRIBE WHICH RESTRICTION(S) APPLIES TO THIS WASTE. SEE 40CFR PART 268

California List, Liquid Hazardous Waste containing >1000 ppm HOCs and
>50 ppm PCBs.

SL 046331

19 I HEREBY CERTIFY AND WARRANT THAT THE INFORMATION SUPPLIED ON THIS FORM AND ON ANY ATTACHMENTS OR SUPPLEMENTS REGARDING THE IDENTIFICATION OF THIS WASTE, ITS CONSTITUENTS AND ITS KNOWN OR SUSPECTED HAZARDS IS COMPLETE AND ACCURATE. I FURTHER CERTIFY AND WARRANT THAT THE IDENTIFICATION IS THE RESULT OF AN ANALYSIS OF A REPRESENTATIVE SAMPLE OF THE WASTE OBTAINED AND ANALYZED IN ACCORDANCE WITH TESTING PROCEDURES OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY OR BY THE APPLICATION OF KNOWLEDGE OF THE PROCESS GENERATING THE WASTE.

SIGNATURE

Gerald P. ...

GERALD P. ...

Env. Specialist 01/12/00

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