

MATERIAL SAFETY DATA SHEET(SDS)

Print Date

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1. PRODUCT AND COMPANY IDENTIFICATION

common name	PLASTIC, PART A
Product Code	PLASTIC
Trade name	PLASTIC
Product Class	EPOXY PAINT
Manufacturer	Pilgrim Permocoat, Inc., Inc. 402 S 22nd Street Tampa, FL 33605
Emergency Telephone	800-637-3328

2. Hazards Identification

EMERGENCY OVERVIEW

DANGER

FLAMMABLE LIQUID AND VAPOR
The product causes burns of eyes, skin and mucous membranes
HARMFUL OR FATAL IF SWALLOWED
HARMFUL IF INHALED
MAY CAUSE ALLERGIC SKIN REACTION; EFFECTS MAY BE PERMANENT
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION
MAY BE HARMFUL IF ABSORBED THROUGH SKIN

Potential Health Effects

Principle Routes of Exposure Eye Contact, inhalation, Skin Contact.

ACUTE EFFECTS

EYES

Moderately irritating to the eyes.

skin

Irritating to skin. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

inhalation

Irritating to respiratory system.

INGESTION

MAY BE HARMFUL IF SWALLOWED.

Chronic Effects

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions central nervous system. Kidney disorders. Liver disorders. Skin disorders. Gastrointestinal tract. Respiratory disorders.

Interactive effects Use of alcoholic beverages may enhance toxic effects.

Potential Environmental Effects See Section 12 for additional Ecological Information.

Target organ effects central nervous system, Central Vascular System (CVS), EYES, kidney, liver, respiratory system, skin, blood, Gastrointestinal tract

3. Composition/information on Ingredients

Hazardous Components

component	CAS-No	Weight %
TALC (RESPIRABLE DUST)	14807-96-6	30 - 60
TITANIUM DIOXIDE	13463-67-7	10 - 30
METHYL ISOBUTYL KETONE	108-10-1	10 - 30
EPOXY RESIN (LER)	25085-99-8	10 - 30
XYLENE	1330-20-7	5 - 10
ETHYL BENZENE	100-41-4	1 - 5
BENZENE, 1,4-DIMETHYL	106-42-3	0.1 - 1
BENZENE, 1,3-DIMETHYL	108-38-3	0.1 - 1
BENZENE, 1,2-DIMETHYL	95-47-6	0.1 - 1

4. First aid measures

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes.

Skin contact: Wash off immediately with soap and plenty of water

Ingestion: If swallowed, do not induce vomiting. Get medical attention immediately.

INHALATION: Move to fresh air. Oxygen or artificial respiration if needed

5. Fire-fighting measures

Flammable properties FLAMMABLE.

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment Contact with water may cause violent frothing. Use: Carbon dioxide (CO₂) - Foam - Dry chemical

Hazardous Decomposition Products Oxides of carbon, hydrocarbons. Aldehydes.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.

Protective equipment and precautions for firefighters

Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. MAY CAUSE HEAT AND PRESSURE BUILD-UP IN CLOSED CONTAINERS. Solvent vapors are heavier than air and may spread along floors. Flash back possible over considerable distance.

6. Accidental release measures

Personal precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

OTHER INFORMATION not applicable

7. Handling and Storage

Handling

Close container after each use. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling

Storage

Keep away from heat, sparks and flame VAPORS MAY CAUSE FLASH FIRE. Use only in an area containing flame proof equipment. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines

component	ACGIH TLV	OSHA PEL	Quebec TWAEV	Ontario TWAEV	Mexico OEL (TWA)
TALC (RESPIRABLE DUST)	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 3 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³
METHYL ISOBUTYL KETONE	TWA: 20 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 300 mg/m ³ TWA: 100 ppm TWA: 410 mg/m ³	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 307 mg/m ³	TWA: 20 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 307 mg/m ³
XYLENE	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 655 mg/m ³	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 655 mg/m ³
ETHYL BENZENE	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³
BENZENE, 1,4-DIMETHYL	TWA: 100 ppm STEL: 150 ppm		TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 655 mg/m ³
BENZENE, 1,3-DIMETHYL	TWA: 100 ppm STEL: 150 ppm		TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 655 mg/m ³
BENZENE, 1,2-DIMETHYL	TWA: 100 ppm STEL: 150 ppm		TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m ³ STEL: 150 ppm STEL: 655 mg/m ³

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Skin Protection Lightweight protective clothing, Apron, Impervious gloves
Eye/face Protection If splashes are likely to occur, wear Goggles

Respiratory protection Use only with adequate ventilation. Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

9. Physical and Chemical Properties

Flash Point	18 °C / 64.0 °F
Boiling range	114 - 142.000 °C / 237.0 - 287.6 °F
Upper explosion limit	No information available
Lower explosion limit	No information available
Evaporation Rate	No information available
vapor pressure	No information available
Vapor Density	No information available
Specific gravity	1.28259 g/cm3
density	10.67306 lbs/gal
volatile organic compounds (VOC) content	2.895 lbs/gal
Volatile by weight	27.1240 %
Volatile by volume	42.0120 %

10. Stability and Reactivity

Chemical stability	Stable	Conditions to Avoid	Heat, flames and sparks. Amines. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products	Strong oxidizing agents. Bases. Acids. Amines.	Possibility of Hazardous Reactions	None under normal processing

11. Toxicological Information

Acute Toxicity

Component Information

component	LD50 Oral	LD50 Dermal	LC50 Inhalation
METHYL ISOBUTYL KETONE	2080 mg/kg (Rat)	16000 mg/kg (Rabbit)	8.2 mg/L (Rat) 4 h
XYLENE	4300 mg/kg (Rat)		47635 mg/L (Rat) 4 h
ETHYL BENZENE	3500 mg/kg (Rat)	15354 mg/kg (Rabbit)	17.2 mg/L (Rat) 4 h
BENZENE, 1,4-DIMETHYL	3392 mg/kg (Rat)		4550 ppm (Rat) 4 h
BENZENE, 1,3-DIMETHYL	5000 mg/kg (Rat)		
BENZENE, 1,2-DIMETHYL	3609 mg/kg (Rat)		2180 ppm (Rat) 4 h

irritation No information available
corrosivity No information available.
sensitization No information available.

Chronic Toxicity

carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

component	ACGIH	IARC	NTP	OSHA	Mexico
METHYL ISOBUTYL KETONE	A3	Group 2B		X	
ETHYL BENZENE	A3	Group 2B		X	

Mutagenicity No information available.
Reproductive Effects No information available.
Developmental Effects No information available.
Teratogenicity No information available.
Target organ effects central nervous system, Central Vascular System (CVS), EYES, kidney, liver, respiratory system, skin, blood, Gastrointestinal tract.

Endocrine Disruptor Information No information available

Component	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
SOLID EPOXY RESIN (10 - 30)	Group III Chemical		
EPOXY RESIN (LER) 25085-99-8 (10 - 30)	Group III Chemical		

12. Ecological Information

ecotoxicity

component	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia
TALC (RESPIRABLE DUST)		LC50> 100 g/L Brachydanio rerio 96 h		
METHYL ISOBUTYL KETONE	EC50 = 400 mg/L 96 h	LC50 496 - 514 mg/L Pimephales promelas 96 h	EC50 = 79.6 mg/L 5 min	EC50 = 170 mg/L 48 h
XYLENE		LC50= 13.4 mg/L Pimephales promelas 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50= 19 mg/L Lepomis macrochirus 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50= 780 mg/L Cyprinus carpio 96 h LC50> 780 mg/L Cyprinus carpio 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h	EC50 = 0.0084 mg/L 24 h	EC50 = 3.82 mg/L 48 h LC50 = 0.6 mg/L 48 h
ETHYL BENZENE	EC50 = 4.6 mg/L 72 h EC50 > 438 mg/L 96 h EC50 2.6 - 11.3 mg/L 72 h EC50 1.7 - 7.6 mg/L 96 h	LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96 h LC50= 4.2 mg/L Oncorhynchus mykiss 96 h LC50 7.55 - 11 mg/L Pimephales promelas 96 h LC50= 32 mg/L Lepomis macrochirus 96 h LC50 9.1 - 15.6 mg/L Pimephales promelas 96 h LC50= 9.6 mg/L Poecilia reticulata 96 h	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 1.8 - 2.4 mg/L 48 h

component	CAS-No	Weight %	SARA 313 - Threshold Values
METHYL ISOBUTYL KETONE	108-10-1	10 - 30	1.0
XYLENE	1330-20-7	5 - 10	1.0
ETHYL BENZENE	100-41-4	1 - 5	0.1
BENZENE, 1,4-DIMETHYL	106-42-3	0.1 - 1	1.0
BENZENE, 1,3-DIMETHYL	108-38-3	0.1 - 1	1.0
BENZENE, 1,2-DIMETHYL	95-47-6	0.1 - 1	1.0

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	Yes
Acute health hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
XYLENE 1330-20-7 (5 - 10)	100 lb			X
ETHYL BENZENE 100-41-4 (1 - 5)	1000 lb	X	X	X
BENZENE, 1,4-DIMETHYL 106-42-3 (0.1 - 1)				X
BENZENE, 1,3-DIMETHYL 108-38-3 (0.1 - 1)				X
BENZENE, 1,2-DIMETHYL 95-47-6 (0.1 - 1)				X

CERCLA

component	Hazardous Substances RQs	CERCLA EHS RQs
METHYL ISOBUTYL KETONE	5000 lb	
XYLENE	100 lb	
ETHYL BENZENE	1000 lb	
BENZENE, 1,4-DIMETHYL	100 lb	
BENZENE, 1,3-DIMETHYL	1000 lb	
BENZENE, 1,2-DIMETHYL	1000 lb	

United States of America State Regulations

California Prop. 65

This product contains the following Proposition 65 chemicals:

component	CAS-No	California Prop. 65
METHYL ISOBUTYL KETONE	108-10-1	Carcinogen
ETHYL BENZENE	100-41-4	Carcinogen

California SCAQMD Rule 443

Contains Photochemically Reactive Solvent

State Right-to-Know

component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TALC (RESPIRABLE DUST)	X	X	X		
METHYL ISOBUTYL KETONE	X	X	X	X	

XYLENE	X	X	X	X	
ETHYL BENZENE	X	X	X	X	
BENZENE, 1,4-DIMETHYL	X	X	X	X	
BENZENE, 1,3-DIMETHYL	X	X	X	X	
BENZENE, 1,2-DIMETHYL	X	X	X	X	

Other international regulations

CANADA

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

WHMIS Classification

B2 Flammable liquid
D2A Very toxic materials



component	NPRI
METHYL ISOBUTYL KETONE	Part 1, Group 1 Substance; Part 5 Substance
XYLENE	Part 1, Group 1 Substance; Part 5 Substance
ETHYL BENZENE	Part 1, Group 1 Substance

Legend

NPRI - National Pollutant Release Inventory

16. Other information

Prepared by Pilgrim Permocoat. Inc.

Revision date 27-Aug-2013

Revision note No information available

HMIS (Hazardous Material Information System) **HEALTH 2** **flammability 3** **reactivity 1**

Disclaimer

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

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End of MSDS