

Material Safety Data Sheet



Issue Date 06-Sep-2011

Revision Date 29-May-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PC - SUPEREPOXY, Part B

MSDS # 130519-18-CA

Recommended Use Multi-purpose epoxy paste

Supplier Address

Protective Coatings Co.
221 S Third St.
Allentown, PA 18102 USA

Company Phone Number

610-432-3543 / 800-220-2103

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Emergency Overview

Causes serious eye irritation

Causes skin irritation

May cause an allergic skin reaction

Appearance Yellow paste

Physical State Paste.

Odor Slight amine

Potential health effects

Acute Toxicity

Eyes

Causes serious eye irritation

Skin

Causes skin irritation

Inhalation

Under normal conditions of intended use, this material is not expected to be an inhalation hazard

Ingestion

May cause discomfort if swallowed

Chronic Effects

No known effect based on information supplied

Symptoms

Causes eye irritation. Direct contact may cause temporary redness and discomfort. Causes skin irritation.

Aggravated Medical Conditions

Skin and eye conditions

Environmental hazard

See Section 12: ECOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Phenol, methylstyrenated	68512-30-1	10-30
Amine Terminated Liquid Copolymer	68683-29-4	10-30
N-Aminoethyl piperazine	140-31-8	10-20
Synthetic Amorphous Silica	67762-90-7	5-10
Formaldehyde, polymer with 1,3,dimethylbenzene	26139-75-3	1-5

Product contains a proprietary mixture of ingredients.

4. FIRST AID MEASURES

General Advice	Provide this SDS to medical personnel for treatment. After first aid, get appropriate in-plant, paramedic, or community medical support
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Get medical attention if irritation occurs
Skin Contact	Wash with soap and water Remove and wash contaminated clothing before reuse Get medical attention if irritation occurs
Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist
Ingestion	Clean mouth with water and drink afterwards plenty of water Do NOT induce vomiting Never give anything by mouth to an unconscious person Seek medical advice
Note to Physicians	Skin and eye conditions may be aggravated by long term exposure

5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable
Flash Point Method	480 °F / 248.88 °C CC (closed cup)
Suitable Extinguishing Media	Dry chemical, CO2 or water spray
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO2), Aldehydes
Explosion Data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None
Specific Hazards Arising from the Chemical	Product is not flammable
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear Wear positive pressure self-contained breathing apparatus (SCBA) Do not release runoff from fire control methods to sewers or waterways NFPA Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective gloves/protective clothing and eye/face protection Avoid breathing vapors, mist or gas Remove any contaminated clothing and wash thoroughly before reuse
Environmental Precautions	See Section 12 for additional ecological information
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up	Dispose of contents/container to an approved waste disposal plant

7. HANDLING AND STORAGE

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice Wear appropriate personal protective equipment Avoid breathing dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Wash face, hands, and any exposed skin thoroughly after handling Contaminated work clothing should not be allowed out of the workplace
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place Store contents under <90F (32C) NFPA Class IIIB storage

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	The following information is given as general guidance
Engineering Controls	Provide general or local exhaust ventilation if product is sanded or ground
<u>Personal protective equipment (PPE)</u>	
Skin and Body Protection	Wear protective gloves and protective clothing
Eye/Face Protection	Chemical safety goggles/faceshield
Respiratory Protection	Ensure adequate ventilation, especially in confined areas If engineering controls do not keep airborne concentrations below acceptable levels, wear a NIOSH-approved respirator
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice Do not eat, drink or smoke when using this product Wash contaminated clothing before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Paste	Odor	Slight amine
Appearance	Yellow paste	Odor Threshold	Not determined
Color	Yellow		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Not determined		
Melting Point/Freezing Point	Not available		
Boiling Point/Boiling Range	No data		
Flash Point	248.88 °C / 480 °F	CC (closed cup)	
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not available		
Lower Flammability Limit	Not available		
Vapor Pressure	Not determined		
Vapor Density	Not available		
Relative Density (Specific Gravity)	1.02	(1=Water)	

Water Solubility	Insoluble in water
Solubility in Other Solvents	Alcohols
Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined
Density	8.5 lbs/gal

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Materials	None known based on information supplied
Conditions to Avoid	Keep out of reach of children
Hazardous Decomposition Products	None known based on information supplied
Possibility of Hazardous Reactions	None under normal processing
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard
Eye Contact	Causes serious eye irritation
Skin Contact	Causes skin irritation
Ingestion	May cause discomfort if swallowed

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phenol, methylstyrenated	3600 mg/kg (rat)	>2000 mg/kg (rabbit)	
N-Aminoethyl piperazine	= 2140 mg/kg (Rat)	= 880 mg/kg (Rabbit)	
Formaldehyde, polymer with 1,3,dimethylbenzene	>2000 mg/kg (rat)		

Chronic Toxicity

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
Sensitization	May cause an allergic skin reaction.

Target Organ Effects None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Algae/aquatic plants	Fish	Crustacea
N-Aminoethyl piperazine	495: 72 h Pseudokirchneriella subcapitata mg/L EC50	1950 - 2460: 96 h Pimephales promelas mg/L LC50 flow-through 1000: 96 h Poecilia reticulata mg/L LC50 semi-static 100: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	32: 48 h Daphnia magna mg/L EC50

Mobility

Chemical Name	Partition Coefficient
N-Aminoethyl piperazine	-1.48

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging Dispose of in accordance with federal, state and local regulations Do not reuse container

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

TDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Phenol, methylstyrenated	Present	X		Present			X			X
Amine Terminated Liquid Copolymer	Present	X				Present	X	Present	X	X
N-Aminoethyl piperazine	Present	X		Present		Present	X	Present	X	X
Synthetic Amorphous Silica	Present	X				Present	X	Present	X	X
Formaldehyde, polymer with 1,3,dimethylbenzene	Present	X				Present	X	Present	X	X

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
N-Aminoethyl piperazine	X	X	X

International Regulations**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

Class D, Div. 2

**16. OTHER INFORMATION**

NFPA	Health Hazards 2	Flammability 1	Stability 0	Special Hazards -
HMIS	Health Hazards 2	Flammability 1	Physical Hazards 0	Personal Protection B- Safety Glasses, Gloves

Issue Date 06-Sep-2011

Revision Date 29-May-2013

Revision Note New format

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet