

# 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**

<b>Eyes</b>	Causes serious eye irritation
<b>Skin</b>	Causes skin irritation
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard
<b>Ingestion</b>	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

<b>General Advice</b>	Provide this SDS to medical personnel for treatment. After first aid, get appropriate in-plant, paramedic, or community medical support
<b>Eye Contact</b>	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
<b>Skin Contact</b>	Wash with soap and water Remove and wash contaminated clothing before reuse Get medical attention if irritation occurs
<b>Inhalation</b>	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist
<b>Ingestion</b>	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
<b>Note to Physicians</b>	Skin and eye conditions may be aggravated by long term exposure

### 5. FIRE-FIGHTING MEASURES

<b>Flammable properties</b>	Not flammable
<b>Flash Point</b>	480 °F / 248.88 °C
<b>Method</b>	CC (closed cup)
<b>Suitable Extinguishing Media</b>	Dry chemical, CO2 or water spray
<b>Hazardous Combustion Products</b>	Carbon monoxide, Carbon dioxide (CO2), Aldehydes
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	None
<b>Specific Hazards Arising from the Chemical</b>	Product is not flammable
<b>Protective Equipment and Precautions for Firefighters</b>	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

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

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling</b>	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
<b>Storage Conditions</b>	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

<b>Exposure Guidelines</b>	The following information is given as general guidance
<b>Engineering Controls</b>	Provide general or local exhaust ventilation if product is sanded or ground
<b><u>Personal protective equipment (PPE)</u></b>	
<b>Skin and Body Protection</b>	Wear protective gloves and protective clothing
<b>Eye/Face Protection</b>	Chemical safety goggles/faceshield
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas If engineering controls do not keep airborne concentrations below acceptable levels, wear a NIOSH-approved respirator
<b>General Hygiene Considerations</b>	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

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

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

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard
<b>Eye Contact</b>	Causes serious eye irritation
<b>Skin Contact</b>	Causes skin irritation
<b>Ingestion</b>	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

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
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<b>Sensitization</b>	May cause an allergic skin reaction.
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<b>Target Organ Effects</b>	None known
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## 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

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations
<b>Contaminated Packaging</b>	Dispose of in accordance with federal, state and local regulations Do not reuse container

## 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>TDG</u>	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**

<b>NFPA</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Stability</b> 0	<b>Special Hazards -</b>
<b>HMIS</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Physical Hazards</b> 0	<b>Personal Protection</b> 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**