

Material Safety Data Sheet



Issue Date 21-Mar-2013

Revision Date 23-Apr-2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PC LUMBER EPOXY PUTTY

MSDS # 130415-1-CA

Recommended Use Sealants and adhesives

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

Appearance Not available

Physical State Solid.

Odor Not available

Potential health effects

Acute Toxicity

Eyes

Causes serious eye irritation

Skin

Causes skin irritation

Inhalation

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure

Ingestion

Irritating to mouth, throat and stomach

Chronic Effects

Not determined

Symptoms

Causes skin irritation. May include redness, drying and cracking of skin. Causes eye irritation. Exposed individuals may experience eye tearing, redness and discomfort. Irritating to mouth, throat and stomach.

Aggravated Medical Conditions

None known

Environmental hazard

See Section 12: ECOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Bisphenol A - Epichlorohydrin polymer	25068-38-6	10-30
2,4,6-Tri(dimethylaminomethyl)phenol	90-72-2	1-5
Crystalline silica	14808-60-7	0.1-1

4. FIRST AID MEASURES

General Advice	Provide this SDS to medical personnel for treatment
Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention
Skin Contact	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband
Note to Physicians	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

5. FIRE-FIGHTING MEASURES

Flammable properties	Product does not sustain combustion
Flash Point	Not determined
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Hazardous Combustion Products	Carbon oxides, Oxides of sulfur, Halogenated compounds, Metal oxide/oxides Nitrogen oxides (NOx)
Explosion Data	
Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None

Specific Hazards Arising from the Chemical No specific fire or explosion hazard

Protective Equipment and Precautions for Firefighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment

Environmental Precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Methods for Containment Prevent further leakage or spillage if safe to do so Move containers from spill area

Methods for Cleaning Up Keep in suitable, closed containers for disposal For waste disposal, see section 13 of the SDS

7. HANDLING AND STORAGE

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice Use personal protection recommended in Section 8 Wash face, hands, and any exposed skin thoroughly after handling Containers that have been opened must be carefully resealed and kept upright to prevent leakage Avoid contact with skin, eyes or clothing Empty containers retain product residue and can be hazardous Do not eat, drink or smoke when handling this product Remove contaminated clothing and shoes

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place Store in accordance with local regulations Protect from direct sunlight Do not store in unlabeled or mislabeled containers Do not store above the following temperature: 35°C (95°F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Crystalline silica 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

Other Information Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

Engineering Controls No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. Ensure that eyewash stations and safety showers are close to the workstation location

Personal protective equipment (PPE)

Skin and Body Protection Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Eye/Face Protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles

Respiratory Protection Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator

General Hygiene Considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Solid	Odor	Not available
Appearance	Not available	Odor Threshold	Not available
Color	Not available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not available	
Flash Point	Not determined	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Not available	
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapor Pressure	Not available	
Vapor Density	Not available	
Relative Density (Specific Gravity)	Not determined	
Water Solubility	0 g/L; Insoluble in cold or hot water	
Solubility in Other Solvents	Not determined	

Partition Coefficient	Not determined
Autoignition Temperature	Not available
Decomposition Temperature	>150°C (>302°F)
Kinematic Viscosity	Not available
Dynamic Viscosity	Not available
Explosive Properties	Not determined
Oxidizing Properties	Not determined
Density	Relative Density .925

10. STABILITY AND REACTIVITY

Stability	The product is stable
Incompatible Materials	None known based on information supplied
Conditions to Avoid	Keep out of reach of children
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur
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	Irritating to mouth, throat and stomach

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol A - Epichlorohydrin polymer	= 11400 mg/kg (Rat)	20000 mg/kg (rabbit)	
2,4,6-Tri(dimethylaminomethyl)phenol	= 1000 mg/kg (Rat)	= 1280 mg/kg (Rat)	
Crystalline silica	= 500 mg/kg (Rat)		

Chronic Toxicity

Chronic Toxicity	Not determined
Carcinogenicity	Crystalline Silica is considered to be a human carcinogen when in respirable form (dust / powder)

Chemical Name	ACGIH	IARC	NTP	OSHA
Crystalline silica	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Sensitization	Not determined.
Germ Cell Mutagenicity	Not determined.
Reproductive Toxicity	Not determined
Developmental Toxicity	Not determined
Teratogenicity	Not determined
Target Organ Effects	Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

Contaminated Packaging

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

ENCS Not determined

IECSC All components are listed or exempted
KECL Not determined
PICCS Not determined
AICS Not determined

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Bisphenol A - Epichlorohydrin polymer	Present	X				Present	X	Present	X	X
2,4,6-Tri(dimethylaminomethyl)phenol	Present	X		Present		Present	X	Present	X	X
Crystalline silica	Present	X		Present		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 Yes
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 contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Crystalline silica	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Crystalline silica	X	X	X

International Regulations

Chemical Name	Carcinogenicity	Exposure Limits
Crystalline silica		Mexico: TWA 0.1 mg/m ³

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

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

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

Issue Date 21-Mar-2013

Revision Date 23-Apr-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