

Material Safety Data Sheet

PC CONCRETE EPOXY

MSDS No. 90831-70

Date of Preparation: 8-31-2009

Revision:6

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: PC Concrete Epoxy

Chemical Formula: Mixture

CAS Number: Mixture

General Use: Adhesive

Manufacturer: Protective Coating Company, 221 S. Third St., Allentown, PA 18102-4922, Phone (610)432-3543, FAX (610)432-5043 (9AM-5PM EST)

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	PEL	TLV	STEL
Part A, B				
Diglycidyl Ether of Bisphenol A	25085-99-8	NE	NE	NE
Ethylene Glycol (parts A, B)	107-21-1	C 50 ppm	C 100ppm	NE
Silica, crystalline (parts A, B)	14808-60-7	0.1mg/m ³	0.1mg/m ³	NE
n-aminoethylpiperzine	140-31-8	NE	NE	NE
Nonyl phenol	84852-15-3	NE	NE	NE
Liquid Polyamide Resin	68082-29-1	NE	NE	NE

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

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Potential Health Effects

Known Hazards: Part A: Skin and eye irritation. Sensitizer; **Part B:** Corrosive

Signs and Symptoms of Exposure: Part A: Eyes-Irritation. Corneal injury is not expected. Skin-Irritation. Can cause allergic skin reactions in susceptible individuals, e.g. itching, redness, swelling, etc. Inhalation-No ill effects expected. Heated vapors can cause irritation. **Part B:** Eyes-Irritation. Possible eye burns. Skin-Can cause irritation and skin burns. Inhalation-No ill effects expected. Heated vapors can cause irritation.

Medical Conditions Aggravated by Exposure: Skin, eye, and respiratory conditions

Routes of Exposure: Dermal. Inhalation.

Carcinogenicity: IARC classifies crystalline silica as a Group I carcinogen based upon evidence among workers in industries where there has been long-term and chronic exposure (via inhalation) to silica dust. This product does not pose a dust hazard; therefore, this classification is not relevant.

Section 4 - First Aid Measures

Inhalation: Move to fresh air; give oxygen if breathing is difficult. Call a physician if symptoms persist.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if symptoms persist.

Skin: Wash with mild soap and water. Launder contaminated clothing before reuse.

Ingestion: If conscious, give plenty of water; do not induce vomiting unless directed to by a physician. Call a physician.

Other: Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure. If Sensitization occurs, future contact with the material should be avoided.

Section 5 - Fire-Fighting Measures

Flash Point: > 200° F

Flammable Limits: N/A

Extinguisher Media: Carbon Dioxide, Dry Chemical, Water Spray, Foam

Special Fire Fighting Procedures: Use a self-contained breathing apparatus when fighting fires involving chemicals.

Unusual fire and Explosion Hazards: None known. Thermal decomposition products can be formed.

Section 6 - Accidental Release Measures

Avoid all personal contact, scoop up with spade and place in disposable metal container. Flush contaminated areas.

Section 7 - Handling and Storage

Avoid contact with eyes, skin and clothing. Avoid prolonged inhalation of vapors. Use with adequate ventilation. Wash thoroughly after handling. Store in a cool dry place out of direct rays of the sun. Keep from freezing. Recommended storage temperature range in between 40° and 95° F.

Section 8 - Exposure Controls / Personal Protection

Respiratory Protection: None normally required. Use a NIOSH –approved organic vapor chemical cartridge Respirator when air movement is inadequate to control vapor build-up.

Ventilation: General (natural or mechanical induced fresh air movements)

Eye Protection: Wear splash proof chemical goggles

Protective Gloves: Cloth or impermeable (neoprene or rubber) gloves

Other Protective Clothing or Equipment: Wear appropriate apparel to prevent skin contact

Section 9 - Physical and Chemical Properties

Appearance: Part A: White Paste; **Part B:** Black Paste

Specific Gravity (g/cc): Part A: 1.4; **Part B:** 1.0

Odor: Part A: Slight Odor; **Part B:** Slight Amine Odor

pH: N/D

Boiling Point: N/A

Vapor Density: N/A

Vapor Pressure: N/A

VOC Content: 7.84 g/l (when mixed)

Solubility in Water: Insoluble

Evaporation Rate: N/A

Section 10 - Stability and Reactivity

Hazardous Polymerization: Will not occur

Stability: Stable

Incompatibility: Strong acids, peroxides, and other oxidizing agents

Hazardous Decomposition Products: Thermal decomposition can yield CO, CO₂ and organic Nitrogen compounds.

Conditions to Avoid: Exposure to excessive heat and storage above 95° F will shorten shelf life

Section 11- Toxicological Information

For detailed toxicological information on the components of this material, contact the address listed in Section 1 of this MSDS.

Section 12 - Ecological Information

Ecotoxicity: No data.

Environmental Fate: No data.

Environmental Degradation: No data.

Section 13 - Disposal Considerations

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

DOT Shipping Information:
Consumer commodity, ORM-D

IATA/ICAO Shipping Name:
Corrosive Solids, NOS (contains aminoethylpiperazine, nonylphenol), Class 8, UN 1759, PG III

Section 15 - Regulatory Information

Hazard Communication: This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.

EPA Waste Code(s): Not regulated by EPA as a hazardous waste

HMIS Codes: **A:** Health 2, Flammability 1, Reactivity 0, PPE B; **B:** Health 3, Flammability 1, Reactivity 0, PPE B

SARA Title III, Section 313: This product contains 0 – 2% ethylene glycol which is subject to reporting under Section 313 of SARA Title III

TSCA Inventory Status: Chemical components listed on TSCA inventory

Section 16 - Other Information

Storage Requirements: Storage temperature: <90°F(32°C). Store in a cool, dry, well ventilated area.

Personal Hygiene: Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, faceshield, and gloves.

Prepared By: Charles Moloney

Revision Notes:

Notes: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions- in addition to those described herein- are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

Disclaimer: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other natures are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Abbreviations: PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. C = Ceiling. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable. ppm = parts per million