

Material Safety Data Sheet

PC MARINE EPOXY PUTTY

MSDS No. 90831-64

Date of Preparation: 8-31-2009

Revision: 8

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: PC MARINE EPOXY PUTTY

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		%	
Bisphenol A Epoxy Resin	25068-38-6		7 – 13	
Epoxy Resins	28064-14-4		5 – 10	
Zinc sulfide	1314-98-3		5 – 10	
Polymeric phenolic amine	32610-77-8		1 – 5	

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Bisphenol A Epoxy resin	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Epoxy resins	None estab.	none estab.	None estab.	none estab.	none estab.	None estab.	None estab.
Zinc sulfide	5.00mg/M3	none estab.	5.00mg/M3	none estab.	none estab.	None estab.	none estab.
Polymeric phenolic amine	none estab.	none estab.	none estab.	none estab.	None estab.	None estab.	none estab.

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

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Potential Health Effects

Acute Effects

Inhalation: None.

Eye: Possible irritant and sensitizer.

Skin: Possible irritant and sensitizer.

Ingestion: Irritation of intestinal tract.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air.

Eye Contact: Flush with water, consult a physician.

Skin Contact: Wash with soap and water.

Ingestion: Seek medical advice

Section 5 - Fire-Fighting Measures

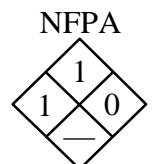
Flash Point: N/A.

Flammability Classification: IIIB

Extinguishing Media: Water spray, foam, CO2, dry chemicals.

Hazardous Combustion Products: CO, Aldehydes, acids, oxides of sulfur and nitrogen may be formed.

Fire-Fighting: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH- approved positive pressure self contained breathing apparatus (SCBA) and full protective clothing.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Dispose of in normal manner.

Disposal: Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: None.

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

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 8 - Exposure Controls / Personal Protection

Ventilation: Provide general or local exhaust ventilation systems if product is sanded or ground.

Respiratory Protection: Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.

Protective Clothing/Equipment: Wear chemically protective gloves to prevent skin contact. Wear protective eyeglasses or chemical safety goggles.

Section 9 - Physical and Chemical Properties

Form: Putty.

Appearance: Green stick.

Odor: Mercaptan.

Solubility (in water): insoluble in water.

% Volatile: < 1%

Specific Gravity (H2O=1, at 4 °C): 1.90

VOC: <1%

pH: >8

Section 10 - Stability and Reactivity

Stability: PC MARINE EPOXY PUTTY is stable.

Polymerization: Hazardous polymerization cannot occur.

Section 11- Toxicological Information

Toxicity Data:

Lethal Dose Information(mg/kg)		Oral	Skin	Inhale	LC50
Bisphenol A Epoxy Resin		11400.00 rat	20000 rabbit	No data	No data
Epoxy Resins		4000.00 rat	No data	No data	No data
Zinc sulfide		No data	No data	No data	No data
Polymeric phenolic amine		2200.00 rat	2000.00 rabbit	No data	10.00

Section 12 - Ecological Information

Ecotoxicity: No data.

Environmental Fate: No data.

Environmental Degradation: No data.

Section 13 - Disposal Considerations

Disposal: Incinerate in furnace or bury in landfill according to applicable regulations; not a hazardous waste.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not regulated.	Packing Group: Not determined.
Shipping Symbols: Not applicable.	Label: Not required.
Hazard Class: Non hazardous.	Special Provisions (172.102): None.
ID No.: Not applicable.	

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
 RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified
 CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112
 CERCLA Reportable Quantity (RQ), Not listed.
 SARA 311/312 Codes: None.
 SARA Toxic Chemical (40 CFR 372.65): Not listed.
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
 OSHA Specifically Regulated Substance, none

Sara title III Section 313 This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS	Chemical name
1314-98-3	Zinc sulfide

Right-to-know: The non-hazardous ingredients in this product subject to the Pennsylvania, New Jersey, and/or Massachusetts right-to-know laws are:

CAS	NAME
144807-96-6	Magnesium Silicate Hydrate
Trade Secret	Polyether Polymercaptan
65997-17-3	Sodium Calcium Magnesium Silicate

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.