



MATERIAL SAFETY DATA SHEET

Issue Date 13-Mar-2012

Revision Date: 11-Jun-2013

Version 1

1. IDENTIFICATION

Product Name PC Fahrenheit Epoxy Putty

MSDS # 130606-30-CA

Recommended Use 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
May cause an allergic skin reaction

Appearance Dark brown stick

Physical State Solid.

Odor Mercaptan

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

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	0.1-1.0

Product contains a proprietary mixture of ingredients.

4. FIRST-AID MEASURES

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
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
Notes to Physician	Skin and eye conditions may be aggravated by long term exposure

5. FIRE-FIGHTING MEASURES

Flammable properties	Not flammable
Flash Point	Not available
Suitable Extinguishing Media	Dry chemical, CO2 or water spray
Hazardous Combustion Products	Carbon monoxide, Carbon dioxide (CO2), Aldehydes, Acids, Oxides of sulfur and nitrogen may be formed
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
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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

Engineering Controls	Provide general or local exhaust ventilation if product is sanded or ground
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Personal protective equipment (PPE)

Skin and Body Protection	Chemical resistant protective gloves Wear suitable 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	Solid	Odor	Mercaptan
Appearance	Dark brown stick	Odor Threshold	Not determined
Color	Dark brown		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	>8	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not available	
Evaporation Rate	Not determined	
Flammability (solid, gas)	Not determined	
Upper Flammability Limits	Not determined	

Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density (Specific Gravity)	0.95 @ 4°C (39.2°F)	(1=Water)
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
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	
VOC Content (%)	<1%	

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
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

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. 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

May cause an allergic skin reaction.

Target organ effects

None known

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

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

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
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	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 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**

NEPA
HMIS

Health Hazards 1
Health Hazards 1

Flammability 1
Flammability 1

Stability 0
Physical Hazards 0

Special Hazards -
Personal Protection B-
Safety Glasses, Gloves

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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