

# Material Safety Data Sheet



Issue Date 02-Jan-2013

Revision Date 23-Apr-2013

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** PC-11 Heavy Duty Epoxy Paste, part A

**MSDS #** 130205-22-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 skin irritation, Severe eye irritation

**Appearance** White paste

**Physical State** Paste.

**Odor** Mild

### Potential health effects

#### Acute Toxicity

<b>Eyes</b>	Causes severe eye irritation
<b>Skin</b>	Causes skin irritation
<b>Inhalation</b>	May cause respiratory tract irritation
<b>Ingestion</b>	May be harmful if swallowed

**Chronic Effects** None known

**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-%
Bisphenol A - Epichlorohydrin polymer	25068-38-6	50-55
Kaolin	1332-58-7	15-20
Talc	14807-96-6	10-15
Titanium dioxide	13463-67-7	5-10
Formaldehyde, polymer with 1,3 dimethylbenzene	6422-86-2	5-10

Product contains a proprietary mixture of ingredients.

#### 4. FIRST AID MEASURES

<b>General Advice</b>	Provide this SDS to medical personnel for treatment
<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 to fresh air If breathing is difficult, give oxygen If breathing has stopped, give artificial respiration. Get medical attention immediately
<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 Get medical attention if necessary
<b>Note to Physicians</b>	Skin and eye conditions may be aggravated by long term exposure

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable properties</b>	Combustible material: may burn but does not ignite readily
<b>Flash Point</b>	480 °F / 248.88 °C
<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>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 Do not breathe 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
<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

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kaolin 1332-58-7	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Talc 14807-96-6	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m <sup>3</sup> respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 10 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>

**Engineering Controls** Provide general or local exhaust ventilation if product is sanded or ground

### Personal protective equipment (PPE)

**Skin and Body Protection** Wear protective gloves and 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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Paste	<b>Odor</b>	Mild
<b>Appearance</b>	White paste	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not determined		
<b>Melting Point/Freezing Point</b>	Not available		
<b>Boiling Point/Boiling Range</b>	Not available		
<b>Flash Point</b>	248.88 °C / 480 °F		
<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>	1.03
<b>Water Solubility</b>	Insoluble in water
<b>Solubility in Other Solvents</b>	Not determined
<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>	5-10 million cps
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined
<b>Density</b>	8.6 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>	May cause irritation of respiratory tract
<b>Eye Contact</b>	Causes severe eye irritation
<b>Skin Contact</b>	Causes skin irritation
<b>Ingestion</b>	May cause discomfort if swallowed

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol A - Epichlorohydrin polymer	= 11400 mg/kg ( Rat )	20000 mg/kg (rabbit)	
Titanium dioxide	> 10000 mg/kg ( Rat )		
Formaldehyde, polymer with 1,3 dimethylbenzene	20000 mg/kg (rat)		

### Chronic Toxicity

<b>Chronic Toxicity</b>	None known
<b>Carcinogenicity</b>	Titanium dioxide is a possible carcinogen when it appears as a respirable dust

Chemical Name	ACGIH	IARC	NTP	OSHA

Talc		Group 3		
Titanium dioxide		Group 2B		X

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

<b>Sensitization</b>	Not determined.
<b>Germ Cell Mutagenicity</b>	Not determined.
<b>Reproductive Toxicity</b>	Not determined
<b>Developmental Toxicity</b>	Not determined
<b>Teratogenicity</b>	Not determined
<b>Target Organ Effects</b>	Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Talc		100: 96 h Brachydanio rerio g/L LC50 semi-static	

**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>	Do not reuse container

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated
<b><u>TDG</u></b>	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
Kaolin	Present	X		Present		Present	X	Present	X	X
Talc	Present	X		Present		Present	X	Present	X	X
Titanium dioxide	Present	X		Present		Present	X	Present	X	X

Formaldehyde, polymer with 1,3 dimethylbenzene	Present	X		Present		Present	X	Present	X	X
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**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

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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
Titanium dioxide	Carcinogen

### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Kaolin	X	X	X
Talc	X	X	X
Titanium dioxide	X	X	X

### International Regulations

Chemical Name	Carcinogenicity	Exposure Limits
Kaolin		Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>
Talc		Mexico: TWA 2 mg/m <sup>3</sup>
Titanium dioxide		Mexico: TWA 10 mg/m <sup>3</sup> Mexico: STEL 20 mg/m <sup>3</sup>

**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



<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	<b>Health Hazards 1</b>	<b>Flammability 1</b>	<b>Stability 0</b>	<b>Special Hazards -</b>
<b>HMIS</b>	<b>Health Hazards 1</b>	<b>Flammability 1</b>	<b>Physical Hazards 0</b>	<b>Personal Protection -</b>

**Prepared By**

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

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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**