

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/20/01
Epoxy Repair Kit Part A

Page: 1
MSDS Number: 130035

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Epoxy Repair Kit Part A
Product Numbers: 108075A
Product Use: Epoxy Resin Repair Paste

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Bisphenol A/ Epichlorohydrin Resin	25068-38-6	N/L	40 – 45
Phenol, glycidyl ether	28064-14-4	N/L	20 – 25
Talc	14807-96-6	238-877-9	Unknown*
Glass Enamel	65997-17-3	266-046-0	Unknown*

* Percentages not available from supplier and unknown to us.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! MAY CAUSE ALLERGIC SKIN REACTION. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. HARMFUL IF SWALLOWED.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause skin irritation. Prolonged or repeated contact may cause allergic skin reaction. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/20/01
Epoxy Repair Kit Part A

Page: 2
MSDS Number: 130035

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Epoxy Resin: Prolonged or repeated contact may cause allergic skin reaction.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%.

Other Health Effects: None known.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be beneficial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: >200 °F (>93.3 °C)

Explosive Limit: Lower: N/A Upper: N/A

Autoignition Temperature: N/E

OSHA Flammability Class: Combustible Liquid – Class IIIB

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Material may burn although not readily ignitable.

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/20/01

Page: 3

Epoxy Repair Kit Part A

MSDS Number: 130035

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 1, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75°F (25°C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: None required at normal handling temperatures and conditions. Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors if necessary.

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/20/01
Epoxy Repair Kit Part A

Page: 4
MSDS Number: 130035

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits.
Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Talc	14807-96-6	20 mppcf	2 mg/m ³
Glass Enamel	65997-17-3	5 mg/m ³	10 mg/m ³

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	> 500 °F / >260 °C	Vapor Density:	Heavier than air.
Specific Gravity / Density:	1.9/15.83 lbs/gal	Percent Volatiles by weight:	<1 %
Evaporation Rate:	Slower than ethyl ether.	Physical State:	Paste
Melting Point:	N/E	pH:	Neutral
Odor:	Slight odor.	Solubility:	Insoluble in water.
Vapor Pressure:	0.03 mmHg @171 °F/ 77°C	Appearance:	Green Paste
Octanol/Water Partition	N/E	VOC (as applied):	<0.158 lbs/gal

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: epoxy curing agents, strong acids, strong oxidizing agents and strong bases.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD ₅₀ Oral-Rat	LC ₅₀ Inhalation-Rat
Bisphenol A/ Epichlorohydrin Resin	25068-38-6	11,400 mg/kg	N/E

N/E-Not Established

Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: No significant evidence found.

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/20/01
Epoxy Repair Kit Part A

Page: 5
MSDS Number: 130035

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This material should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would not be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA non-RCRA.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
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None

SARA Title III: Section 302- Extremely Hazardous Substances

None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
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None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2B (Other toxic effects)

Physical Hazard:

MATERIAL SAFETY DATA SHEET

Date Prepared: 12/20/01
Epoxy Repair Kit Part A

Page: 6
MSDS Number: 130035

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 1, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: This product must be mixed with Epoxy Repair Kit B-side prior to use. Please refer to the Material Safety Data Sheet (#108075B) for hardener before using.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.