

## MATERIAL SAFETY DATA SHEET

Date Prepared: June 22, 2009  
100815 Complete Cartridge

Page: 1 of 6  
MSDS Number:130053

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Material Identity

Product Name: Panel Bonding Adhesive  
Product Numbers: 100815 Cartridge  
Product Use: Panel Bonding Adhesive

#### 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)
Oxirane, homopolymer	25085-99-8	N/L	20 - 25
Polyamine Polymer Blend	Proprietary	Proprietary	20 - 25
Talc	14807-96-6	238-877-9	10 - 15
Inert Filler	Proprietary	Proprietary	5 - 10
Cycloaliphatic amine	Proprietary	Proprietary	5 - 10
Calcium Carbonate	1317-65-3	215-279-6	5 - 10
Epoxy Resin	Proprietary	Proprietary	1 - 5
Magnesite	546-93-0	208-915-9	1 - 5

### SECTION 3. HAZARDS IDENTIFICATION

#### \*\*\*EMERGENCY OVERVIEW\*\*\*

COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED.

#### Potential Health Effects

##### Acute Effects (Short Term):

**Eye:** Contact may cause irritation, redness, tearing and blurred vision.

**Skin:** Contact may cause irritation and possible dermatitis.

**Swallowing:** Ingestion 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.

**Inhalation:** Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache and dizziness.

## MATERIAL SAFETY DATA SHEET

Date Prepared: June 22, 2009  
100815 Complete Cartridge

Page: 2 of 6  
MSDS Number:130053

### **Chronic Effects of Overexposure (Long Term):**

Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

**Cancer Information:** The IARC has classified crystalline silica as a group 1 carcinogen (sufficient evidence of carcinogenicity in humans).

**Other Health Effects:** None

**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 affected area thoroughly with soap and water. If symptoms persist, seek medical attention.

**Swallowing:** Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING.

**Inhalation:** Remove person to fresh air. Seek immediate medical attention. If person is not breathing, begin artificial respiration.

### **SECTION 5. FIRE FIGHTING MEASURES**

**Flash Point:** >199.9° F / 93° C

**Explosive Limit:** Lower: 1.6% Upper: 6.5%

**Autoignition Temperature:** 300C/572F

**OSHA Flammability Class:** COMBUSTIBLE Liquid Class IIIB

**Hazardous Products of Combustion:** May form explosive peroxides, carbon dioxide, carbon monoxide, reacts with aluminum, sulfur mixtures.

**Fire and Explosion Hazards:** Vapors are heavier than air and may travel along the ground or may be moved along by ventilation and ignited by pilot lights, other flames, spark, heater, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point.

**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 face piece operated in the positive pressure demand

## MATERIAL SAFETY DATA SHEET

Date Prepared: June 22, 2009  
100815 Complete Cartridge

Page: 3 of 6  
MSDS Number:130053

mode with appropriate turn-out gear and chemical resistant personal protective equipment.

**NFPA Rating:** Health -2, Flammability -1, Reactivity -1

### **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 protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbent 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 sanding dust. Do not take internally. Keep out of reach of children.

**Storage:** Store material in a cool, well ventilated area. Do not use or store near heat, sparks or open flame. 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.

**Respiratory Protection:** Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

**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:**

<b>Hazardous Ingredients</b>	<b>CAS Number</b>	<b>OSHA PEL/TWA</b>	<b>ACGIH TLV</b>
Calcium Carbonate	1317-65-3	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Talc	14807-96-6	20 mppcf	2mg/m <sup>3</sup>
Magnesite	546-93-0	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

## MATERIAL SAFETY DATA SHEET

Date Prepared: June 22, 2009  
100815 Complete Cartridge

Page: 4 of 6  
MSDS Number:130053

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	>431°F /222°C	<b>Vapor Density:</b>	Heavier than air.
<b>Specific Gravity / Density:</b>	A: N/D lbs/gal B: 9.7 lbs/gal	<b>Percent Volatiles by weight:</b>	0 %
<b>Evaporation Rate:</b>	Slower than ethyl ether.	<b>Physical State:</b>	Paste
<b>Melting Point:</b>	N/E	<b>pH:</b>	N/A
<b>Odor:</b>	N/E	<b>Solubility:</b>	Insoluble in water.
<b>Vapor Pressure:</b>	0.08 mmHg @ 68 °F / 20 °C	<b>Appearance:</b>	Black
<b>Octanol/Water Partition Coefficient:</b>	Unknown		
<b>VOC (as packaged-less exempts and water):</b>	N/E lbs/gal or N/E g/L	<b>VOC (as applied*- 2%by wt hardener- less exempts and water):</b>	0.644 lbs/gal
<b>Percent Solids by weight – as packaged:</b>	N/E	<b>Percent Solids by weight – as applied* - 2 % by wt hardener:</b>	93.4% lbs/gal
<b>VHAP Content by weight – as packaged:</b>	N/E	<b>VHAP Content by weight – as applied* - 2 % by weight hardener:</b>	N/E

### SECTION 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur by itself.

**Hazardous Decomposition:** May form carbon dioxide, carbon monoxide, ammonia gas, toxic nitrogen oxide gas, phenolic compounds and hydrogen sulfide.

**Chemical Stability:** Stable under normal handling conditions.

**Incompatibility:** Avoid contact in uncontrolled conditions with oxidizing material, acids and bases.

### SECTION 11. TOXICOLOGICAL INFORMATION

# MATERIAL SAFETY DATA SHEET

Date Prepared: June 22, 2009  
100815 Complete Cartridge

Page: 5 of 6  
MSDS Number:130053

## Acute Toxicity Data:

Ingredient	CAS #	LD <sub>50</sub> Oral-Rat	LC <sub>50</sub> Inhalation-Rat
Calcium Carbonate	1317-65-3	6450 mg/kg	N/E
Cycloaliphatic amine	Proprietary	625 mg/kg	N/E

N/E-Not Established

**Carcinogenicity:** See Cancer Information, Section 3.

**Mutagenicity:** No significant evidence found.

**Teratogenicity:** No significant risk or birth defects or reproductive toxicity to humans.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** This material is toxic to aquatic organisms and 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:** Disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

## 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.)

None

#### SARA Title III: Section 302- Extremely Hazardous Substances

None

#### SARA Title III: Section 313- Toxic Chemical List

Component CAS Number Percentage

None

## MATERIAL SAFETY DATA SHEET

Date Prepared: June 22, 2009  
100815 Complete Cartridge

Page: 6 of 6  
MSDS Number:130053

### International Regulations

**EINECS (Europe)**

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

### WHMIS Classification

**Health Hazard:** D2B (other toxic effects)

**Physical Hazard:** B3 (Combustible liquid)

### State and Local Regulations

**California Proposition 65:** This product contains the following chemical(s) known to the state of California to cause cancer. CRYSTALLINE SILICA

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 -2, Flammability -1, Reactivity - 1  
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, \*=Chronic Effects

### Other Precautions for Use:

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.