

MATERIAL SAFETY DATA SHEET

Date Prepared: May 14, 2007
100815 Cartridge

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MSDS Number:110001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Universal 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)
Cycloaliphatic amine	Proprietary	N/L	20 - 25
Oxirane, homopolymer	25085-99-8	N/L	20 - 25
Calcium Carbonate	1317-65-3	215-279-6	15 - 20
Talc	14807-96-6	238-877-9	10 - 15
Magnesite	546-93-0	208-915-9	0 - 5
Styrene	100-42-5	202-851-5	0 - 5
Inert Filler	Proprietary	Proprietary	0 - 5

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

FLAMMABLE 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.

Chronic Effects of Overexposure (Long Term):

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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). Styrene Oxide, Crystalline Silica

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: 88°F/31°C

Explosive Limit: Lower: 1.1% Upper: 6.1%

Autoignition Temperature: 490C/914F

OSHA Flammability Class: Flammable Liquid Class IC

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

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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:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Calcium Carbonate	1317-65-3	15 mg/m ³	10 mg/m ³
Quartz	14080-60-7	N/E	0.05 mg/m ³
Talc	14807-96-6	20 mppcf	2mg/m ³
Magnesite	546-93-0	15 mg/m ³	10 mg/m ³
Styrene	25013-15-4	100ppm	50ppm

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	293°F /145°C (styrene)	Vapor Density:	Heavier than air.
Specific Gravity / Density:	A: 12.2 lbs/gal B: 9.9 lbs/gal	Percent Volatiles by weight:	1.0 %
Evaporation Rate:	Slower than ethyl ether.	Physical State:	Paste
Melting Point:	N/E	pH:	N/A
Odor:	N/E	Solubility:	Insoluble in water.
Vapor Pressure:	5.0 mmHg @ 68 °F / 20 °C (styrene)	Appearance:	A: Gray Paste B: Black Paste
Octanol/Water Partition Coefficient:	Unknown		
VOC (as packaged-less exempts and water):	0.11 lbs/gal or 13 g/L	VOC (as applied*- 2%by wt hardener- less exempts and water):	.098 lbs/gal
Percent Solids by weight – as packaged:	99.9%	Percent Solids by weight – as applied* - 2 % by wt hardener:	N/E
VHAP Content by weight – as packaged:	1.0%	VHAP Content by weight – as applied* - 2 % by weight hardener:	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

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Styrene 100-42-5 1 %

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. STYRENE OXIDE, CRYSTALLINE SILICA

Styrene, in the presence of air and high temperature or prolonged exposure of styrene/air mixture to sunlight, can react to form styrene oxide.

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.