

MATERIAL SAFETY DATA SHEET

Date Prepared: September 11, 2008
100813 Cartridge

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MSDS Number:110001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Maxim Medium Set Adhesive
Product Numbers: 100813 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- polymercaptan blend	Proprietary	N/L	20 - 25
Talc	14807-96-6	238-877-9	10 - 15
Inert Filler	Proprietary	Proprietary	5 - 10
Calcium Carbonate	1317-65-3	215-279-6	5 - 10
Magnesite	546-93-0	208-915-9	1 - 5
Benzyl Alcohol	100-51-6	202-859-9	1 - 5
Quartz (Crystalline Silica)	14808-60-7	238-878-4	0 - 1

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED OR
ABSORBED THROUGH SKIN.

Potential Health Effects

Acute Effects (Short Term):

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

Skin: If absorbed through skin may cause central nervous system effects, such as headache, nausea, dizziness, confusion

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.

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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):

Prolonged or repeated exposure may cause 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). 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: >200°F/93.3°C (benzyl alcohol)

Explosive Limit: **Lower:** not available **Upper:** not available

Autoignition Temperature: 817°F/436°C (benzyl alcohol)

OSHA Flammability Class: Flammable Liquid Class III B

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.

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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.

NFPA Rating: Health -3, 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
Quartz	14080-60-7	N/E	0.05 mg/m3

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Talc	14807-96-6	20 mppcf	2mg/m ³
Magnesite	546-93-0	15 mg/m ³	10 mg/m ³
Calcium Carbonate	1317-65-3	15 mg/m ³	10 mg/m ³
Benzyl Alcohol		N/E	N/E
Quartz	14080-60-7	N/E	0.05 mg/m ³

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Unknown	Vapor Density:	Heavier than air.
Specific Gravity / Density:	10.9 lbs/gal or 1.31 g/L	Percent Volatiles by weight:	N/A%
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:	N/E	Appearance:	Black Paste
Octanol/Water Partition Coefficient:	Unknown		
VOC (as packaged-less exempts and water):	0.402 lbs/gal or 48 g/L	VOC (as applied*- 2%by wt hardener- less exempts and water):	N/E
Percent Solids by weight – as packaged:	100%	Percent Solids by weight – as applied* - 2 % by wt hardener:	100%
VHAP Content by weight – as packaged:	N/A%	VHAP Content by weight – as applied* - 2 % by weight hardener:	N/A%

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.

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Chemical Stability: Stable under normal handling conditions.

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

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD ₅₀ Oral-Rat	LC ₅₀ Inhalation-Rat
Calcium Carbonate	1317-65-3	6450 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: This material as supplied, if discarded, would 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 Hazard Waste. See 49 CFR for classification.

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.

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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

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, PROPYLENE 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.