

MATERIAL SAFETY DATA SHEET

Date Prepared: 6-18-09

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100812 Cartridge

MSDS Number: 130066

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Maxim Fast Set cartridge
Product Numbers: 100812
Product Use: Epoxy 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	Proprietary	20 – 25
Talc	14807-96-6	238-877-9	10 – 15
Calcium Carbonate	1317-65-3	215-279-6	10 – 15
n-Aminoethylpiperazine	140-31-8	205-411-0	5 – 10
Epoxy Resin	Proprietary	Proprietary	1 – 5
Magnesite	546-93-0	208-915-9	1 – 5
Nonylphenol	25154-52-3	246-672-0	1 – 5
Quartz	14808-60-7	238-878-4	0 – 1

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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

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 or sensitization.

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 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 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 / 93.3° C

Explosive Limit: Lower: N/E Upper: N/E

Autoignition Temperature: Unknown

OSHA Flammability Class: N/A

Hazardous Products of Combustion: May form carbon dioxide, carbon monoxide, ammonia gas, toxic nitrogen, oxide gas, phenolic compounds and hydrogen sulfide.

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.

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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 -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

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Magnesite	546-93-0	15 mg/m ³	10 mg/m ³
Mppcf- millions of particles per cubic foot of air		N/E-Not Established	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/E	Vapor Density:	Heavier than air.
Specific Gravity / Density:	A: N/E lbs/gal / 11.5-12.5 B: 1.28lbs/gal / 10.7	Percent Volatiles by weight:	0%
Evaporation Rate:	Slower than ethyl ether	Physical State:	Paste
Melting Point:	N/E	pH:	N/A
Odor:	N/A	Solubility:	Insoluble in water
Vapor Pressure:	N/E	Appearance:	Black
Octanol/Water Partition Coefficient:			
VOC (as packaged-less exempts and	0.74 N/E lbs/gal or 88 g/l	VOC (as applied*- 2%by wt hardener-less exempts and	N/E lbs/gal or N/E g/l
Percent Solids by weight – as packaged:	100%	Percent Solids by weight – as applied* - 2 % by wt hardener:	100%
VHAP Content by weight – as packaged:	0%	VHAP Content by weight – as applied* - 2 % by weight	0%

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: May polymerize in the influence of extreme heat, bases, acids, metal chlorides, metal salts, strong oxidizers and acids.

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.

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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	6,450 mg/kg	N/E
Nonylphenol	25154-52-3	1,620 mg/kg	N/E
n-Aminoethylpiperazine	140-31-8	2,140 mg/kg	N/E
Calcium Carbonate	1317-65-3	6,450 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 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 classified 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

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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 No. Percentage

none

International Regulations

EINECS (Europe)

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

WHMIS Classification

Health Hazard: D2A, D2B (other toxic effects)

Physical Hazard: N/E

State and Local Regulations

California Proposition 65: This product contains the following chemical(s) known to the state of California to cause cancer. PROPYLENE OXIDE, 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.