

MATERIAL SAFETY DATA SHEET

Date Prepared: 10/05/04

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Adhesion Promoter

MSDS Number: 110001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Adhesion Promoter

Product Numbers: 100883

Product Use: adhesion promoter

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)
Toluene	108-88-3	203-625-9	30-60
Propane	74-98-6	200-827-9	10-30
Isobutane	75-28-5	200-857-2	5-10
Acetone	1330-20-7	215-535-7	5-10
Modified chlorinated polyolefin	68609-36-9	NE	1-5
Xylene	67-64-1	200-662-2	1-5
n-Butanol	71-36-3	200-751-6	1-5

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

DANGER! EXTREMELY FLAMMABLE LIQUID & VAPOR. Vapor may cause flash fire. Contents under pressure.

Potential Health Effects

Acute Effects (Short Term):

Eye: May cause irritation.

Skin: May cause defatting, drying and cracking of skin. Prolonged and repeated exposure may lead to dermatitis.

Swallowing: May cause burning sensation of mouth and stomach. Other possible effects are nausea and diarrhea.

Inhalation: Prolonged exposure to high vapor may cause headache.

Chronic Effects of Overexposure (Long Term): none known

Cancer Information: no adverse effects anticipated.

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Other Health Effects: none known

Primary Route(s) of Entry: eye contact, skin contact, skin absorption, inhalation, and ingestion

SECTION 4. FIRST AID MEASURES

- Eyes:** Flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lid, occasionally. If irritation persists, get medical attention.
- Skin:** Wash thoroughly with soap and water. If irritation persists, get medical attention. Remove contaminated clothing and wash before reuse.
- Swallowing:** If swallowed, DO NOT induce vomiting. Get medical attention immediately. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
- Inhalation:** Remove affected person to fresh air. If breathing is difficult, get medical attention. Keep person warm and quiet.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 42° F (6° C)
Explosive Limit: Lower: 1.4 % Upper: 11.2%
Autoignition Temperature: 649°F (343°C)
OSHA Flammability Class: flammable liquid class IB

Hazardous Products of Combustion: carbon monoxide, chlorine oxide

Fire and Explosion Hazards: Do not use in presence of open flame or spark. Do not place in hot water or near radiators, stoves or other sources of heat. Do not subject aerosol cans to impact. Container may explode if heated.

Extinguishing Media: carbon dioxide, dry chemicals foam, water fog

Fire Fighting Instructions: In case of large fire cool containers with water jet in order to prevent pressure buildup, autoignition or explosion. Avoid spreading burning liquid with water used to cool containers. Self-contained respiratory protection should be provided for firefighters.

NFPA Rating Code 30 B: Level 3

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Do not use combustible materials such as sawdust as an absorbent. Ventilate area and eliminate all sources of ignition. Keep away from heat. Absorb with inert DRY material and place in an appropriate waste disposal container.

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SECTION 7. HANDLING AND STORAGE

Handling: Do not use in presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapors and spray mists. Avoid contact with skin and eyes. After handling always wash hands thoroughly with soap and water.

Storage: Keep in a cool, well-ventilated place. Keep away from heat, open flames, sparks and all other sources of ignition. Do not place in hot water or near radiator, stove or other sources of heat. Do not puncture, incinerate, store the container at temperature over 120° F or in direct sunlight.

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: 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
Toluene	108-88-3	200 ppm	50 ppm
Xylene	1330-20-7	100 ppm	100 ppm
Acetone	67-64-1	1000 ppm	500 ppm
n-Butanol	71-36-3	100 ppm	N/E
Propane	74-98-6	1000 ppm	2500 ppm

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	231.8 °F (111°C)	Vapor Density:	>1
Specific Gravity / Density:	0.86/ 7.17 lbs/gal	Percent Volatiles by weight:	NA
Evaporation Rate:	>1	Physical State:	Liquid
Melting Point:	NA	pH:	NA

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Odor:	Aromatic	Solubility:	Negligible
Vapor Pressure:	NA	Appearance:	Gray to black liquid
Octanol/Water Partition Coefficient:	NA		

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: These products are carbon oxides (CO, CO₂), sulphur oxides (SO₂, SO₃...), hydrogen sulphide and other irritating gases.

Chemical Stability: Stable under normal handling conditions

Incompatibility: Avoid contact with strong oxidizing agents, strong acids, strong alkalies. Keep away from heat, sparks, open flame and all possible ignition sources.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD₅₀ Oral-Rat	LC₅₀ Inhalation-Rat
Toluene	108-88-3	5000 mg/kg	8000 ppm/ 4H
Xylene	1330-20-7	4300 mg/kg	6700 ppm/4H
Acetone	67-64-1	9750 mg/kg	16000 ppm/4H
n-Butanol	71-36-3	2150 mg/kg	N/E
Modified chlorinated polyolefin	68609-36-9	3200 mg/kg	N/E
Isobutane	75-28-5	N/E	142500 ppm 4H

N/E-Not Established

Carcinogenicity: see Section 3

Mutagenicity: not available

Teratogenicity: not available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: none known

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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). Do not incinerate. Depressurize container. Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitability.

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)

<u>Component</u>	<u>RQ</u>
Toluene	1000 lbs
Xylene	100 lbs
Acetone	5000 lbs
n-Butanol	5000 lbs

SARA Title III: Section 302- Extremely Hazardous Substances

None

SARA Title III: Section 313- Toxic Chemical List

<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
None		

EPA Hazardous Air Pollutants (HAPS) 40 CFR 63

<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
Toluene	108-88-3	
Xylene	1330-20-7	

International Regulations

EINECS (Europe)

DSL (Canada)

WHMIS Classification

Health Hazard: A, B5, D2B

Physical Hazard: compressed gas, flammable aerosol, toxic material

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State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer.

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. TOLUENE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health -2, Flammability -3, 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.