

MATERIAL SAFETY DATA SHEET

Date Prepared: 9/30/04

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Fast Urethane Adhesive

MSDS Number: 11001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Fast Urethane Adhesive

Product Numbers: 100887

Product Use: urethane 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)
4,4' Diphenylmethane Diisocyanate	101-68-8	202-966-0	60-100
Aliphatic amine	6864-37-5	229-962-1	7-13
Proprietary amine	9046-10-0	NE	3-7

SECTION 3. HAZARDS IDENTIFICATION

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

DANGER! Vapor harmful. Overexposure may cause lung damage. May cause allergic skin reaction, effects may be permanent. Combustible liquid and vapor.

Potential Health Effects

Acute Effects (Short Term):

Eye: Can cause tearing, eye reddening, and swelling. Corneal damage can occur and injury is slow to heal

Skin: avoid contact with skin.

Swallowing: may cause irritation or chemical burns of mouth, pharynx, esophagus and stomach. Injury may be severe and cause death

Inhalation: High concentrations may irritate respiratory system, may cause headache, drowsiness or unconsciousness as well as other nervous system effects.

Chronic Effects of Overexposure (Long Term): Polyisocyanate: as a result of previous exposure, certain individuals develop sensitization which will cause them to react to a later exposure to product at levels well before the TLV. Symptoms include chest tightness, wheezing, cough, shortness of breath or asthma attack. Effect could be immediate or delayed.

Cancer Information: none anticipated.

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

SECTION 4. FIRST AID MEASURES

Eyes: In case of eye contact, immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists repeat flushing. Obtain medical attention immediately.

Skin: Wash thoroughly with soap and water. If irritation persists, get medical attention.

Swallowing: If swallowed, DO NOT induce vomiting. Rinse the mouth. Drink 1-2 glasses of milk to dilute product. Water may be used instead but not as effective. Obtain medical attention immediately.

Inhalation: Remove affected person to fresh air. If breathing is difficult, get medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: >302° F (150° C)

Explosive Limit: Lower: NA Upper: NA

Autoignition Temperature: NA

OSHA Flammability Class: Combustible liquid Class IIIB

Hazardous Products of Combustion: carbon monoxide, nitrogen oxides, ammonia and hydrogen cyanide.

Fire and Explosion Hazards: none known

Extinguishing Media: foam, CO2, dry chemicals

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 facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

***NFPA Rating:** Health - 1, Flammability - 2, 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 proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbent and dispose of properly.

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.

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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
4,4' Diphenylmethane Diisocyanate	101-68-8	N/E	0.005 ppm

Mppcf- millions of particles per cubic foot of air

N/E-Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>303 °F	Vapor Density:	>1
Specific Gravity / Density:	1.01/8.42	Percent Volatiles by weight:	NA
Evaporation Rate:	<1	Physical State:	Liquid
Melting Point:	NA	pH:	NA
Odor:	Mild aromatic	Solubility:	Negligible
Vapor Pressure:	NA	Appearance:	Clear to milky (part A) dark (part B)

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Octanol/Water Partition Coefficient:	NA		
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SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Polymerization can produce tertiary amines and metal.

Hazardous Decomposition: oxides of carbon, nitrogen oxides, ammonia and traces of hydrogen cyanide

Chemical Stability: Stable under normal handling conditions

Incompatibility: Avoid contact with strong oxidizing agents, isocyanates, water, alcohol, ammonia and acids.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data: none

Carcinogenicity: see Section 3

Mutagenicity: not available

Teratogenicity: not available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: none

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.

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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>
4,4' Diphenylmethane Diisocyanate	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>
None		

International Regulations

EINECS (Europe)

DSL (Canada)

WHMIS Classification

Health Hazard: D1B, D2B

Physical Hazard:

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. NONE

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 -1, Flammability -2, 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.