

Firestone Building Products Company

Material Safety Data Sheet

January 10, 2008

Page: 1

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	I.S.O. Twin Pack™ Part B
Chemical Name /Synonym:	Polyurethane Adhesive – Polyol Component
Chemical Family:	Adhesive
24-Hour Emergency Phone:	(800) 424-9300 CHEMTREC
Manufacturer's Name:	Firestone Building Products Company
Manufacturer's Address:	250 West 96 th Street, Indianapolis, IN 46260
NFPA Hazard Rating:	Health 3, Flammability 1, Reactivity 1
HMS Hazard Rating:	Health 3, Flammability 1, Reactivity 1

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Polypropylene Glycol	None	25322-69-4	60-100	None Established
Proprietary Tertiary Amines	Amines	Registered	1-5	None Established
Dimethyl Silicone Polymer with Silica	None	67762-90-7	1-5	None Established
N-[3-(Trimethyloxysilyl)propyl]-1,2-ethanediamine	None	1760-24-3	1-5	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:	Inhalation, skin or eye contact.
Signs and Symptoms of Exposure:	The tertiary amines in this product are corrosive to the eyes, skin, nose, throat and mouth. Therefore, this material may damage the eyes, skin, nose, mouth, and/or throat upon contact. Due to low vapor pressure, vaporization is unlikely. However, if mists are formed from violent agitation or material is heated to high temperature creating vapors, eyes, nose and respiratory passages may become irritated. Drowsiness, headache, weakness, dizziness may occur from exposure to high concentrations of vapors.
Medical Conditions Aggravated by Exposure:	Eye, skin and respiratory disorders may be aggravated by exposure.
Chronic Effects:	The amines in this product may cause skin and respiratory allergic response and sensitization.
Carcinogenicity:	Ingredients are not carcinogenic.

Firestone Building Products Company

Material Safety Data Sheet

January 10, 2008

Page: 2

SECTION 4: FIRST AID MEASURES

First Aid Procedures:

Eyes: Flush immediately with gentle stream of water for at least 15 minutes, preferably at eye wash fountain. Seek medical attention immediately.

Skin contact: Flush affected area with water for at least 15 minutes. Remove contaminated clothing and wash prior to reuse.

Inhalation: Remove to fresh uncontaminated air. Keep person warm and give oxygen if breathing is labored and artificial respiration if breathing has stopped. Get medical attention immediately.

Ingestion: If the person is conscious, wash out the mouth with water and give the person 1 or 2 glasses of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately and advise the physician of the nature of the material.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, water fog or fine spray.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, acrid and irritating smoke, nitrogen oxides, hydrogen cyanide, and organic acids.

Recommended Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards: The amine content of this product may react violently with water.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Absorb material and place in container for waste disposal.

Precautions to Be Taken in Handling and Storing: Avoid contact with eyes and skin. Wash after handling. Product on surfaces can cause slippery conditions. Keep container closed when not in use. Store in well-ventilated area between 65-85°F. Do not re-seal contaminated product as a hazardous build-up of pressure may result from liberation of carbon dioxide gas. Avoid contact with metals such as aluminum, brass, copper, galvanized metals, tin and zinc.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Good general ventilation should be sufficient.

Respiratory Protection: Usually not necessary. If airborne concentrations exceed the established exposure limits based on employer determined exposure monitoring or if chemical concentrations are unknown, use a NIOSH approved respirator.

Eye Protection: Eye and face protection may be necessary to protect eye and face from splash or spray.

Skin Protection: Neoprene, nitrile or butyl rubber gloves may be necessary to avoid skin contact.

Other: Safety shower and eye wash in immediate area of use.

Work / Hygienic Practices: Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

Firestone Building Products Company

Material Safety Data Sheet

January 10, 2008

Page: 3

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Colorless viscous liquid with polyether odor.		
Flash Point:	>350° F	Lower Explosive Limit:	Not determined
Method Used:	PM cc	Upper Explosive Limit:	Not determined
Evaporation Rate:	Not determined	Boiling Point:	Not determined
pH:	Not determined	Melting Point:	Not applicable
Solubility in Water:	Not determined	Specific Gravity:	0.98
Vapor Density:	Not determined	Percent Volatile:	<0.15
Vapor Pressure:	Not determined		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable under normal conditions.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid contact with water, acids, bases, alcohols, aldehydes, and metal compounds. Avoid unintended contact with Isocyanates as polyols and Isocyanates react, generating heat.

SECTION 10: TRANSPORTATION

Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	None
Date of Previous MSDS:	December 9, 2005
Changes Since Previous MSDS:	Address change in section 1, chemical composition in section 2, safe handling information in section 6, physical and chemical properties in section 8, and transportation in section 10.
Telephone Number for Additional Information:	(317) 575-7190

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