

MATERIALS HEALTH, SAFETY AND ENVIRONMENTAL SHEET
RESIN COATED, KNITTED FIBERGLASS, WATER ACTIVATED REPAIR TAPE
 Prepared 08/24/2009



NFPA PLACARD CODE		
HMIS CODE		
Health	2	Moderate
Fire	1	Slight
Reactivity	1	Slight

INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
Fiber Glass	65997-17-3	52-55	
4,4' - Diphenylmethane diisocyanate Other MDI Homopolymers	101-68-8 039310-05-9	8-10	8-hour time weighted average (TWA) ACGIH TLV: 0.005ppm (0.051mg/m ³) TWA OSHA PEL: 0.02ppm mg/ m ³)
Amine catalyst	6425-39-4	0.1-0.5	
Ingredients not precisely identified (including Polyethylene glycols) are proprietary and non-hazardous.		35-40	

SOURCE OF EXPOSURE LIMIT DATA--ACGIH (American Conference of Governmental Industrial Hygienists)
 THRESHOLD LIMIT VALUES ABBREVIATIONS: N/A - NOT APPLICABLE

Product Name: STOP IT® Repair Tape For Further Information Contact: Telephone Number (713)977-4100	Producer's Name: InduMar Products, Inc. Address: 3355 West Alabama Suite 110 Houston, Texas 77098 Office: (713) 977-4100
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PHYSICAL STATE: Tacky Resin on a Fiberglass Substrate ODOR: Very Slight Flash Back DOES NOT OCCUR. Recommended Extinguishing Media: CO ₂ , dry chemical or foam	COLOR: White/Yellowish, also Black FLASH POINT: 425° F/218° C. (uncured product) Method: Closed Cup No Unusual Fire or Explosion Hazards. Decomposition/Combustion Products: Carbon dioxide, carbon monoxide and traces of oxides of nitrogen
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Hazardous Polymerization WILL NOT OCCUR. Product will not violently react with air or water.
 Toxic Products will not form. Product is stable, not a hazardous waste.
 Recommended storage conditions: Optimum 40-80° F/4-27° C.

RECOMMENDED WASTE DISPOSAL METHOD: Solid waste landfill or authorized incineration.

PERSONAL PROTECTION: Apply in well ventilated area. Protective clothing for normal application: Latex or plastic gloves. Eye protection for normal application: Safety glasses. Special fire fighting procedures: Wear self-contained breathing apparatus. STOP IT® polyurethane resin will adhere to clothing. STOP IT® polyurethane resin will not cause skin bond.

NOT FOR INTERNAL CONSUMPTION. KEEP AWAY FROM CHILDREN.

HEALTH DATA SHORT TERM EXPOSURE

Route Of Entry	Description of Effect	Minimum Concentration For Effect
Inhalation	No significant inhalation hazard upon removal of cured material. Isocyanate vapors of uncured material below detectable limits.	N/A
Skin	Contact: Modified human draize patch test: Product is neither an irritant nor an allergen. Absorption: Acute dermal LD50 >2.0g./kg., no reaction at this dose. Cured and uncured products are not expected to be sensitizing when used as directed. May stick and cause irritation upon removal	N/A
Eyes	Avoid contact; uncured material is not expected to be an irritant when used as directed.	N/A
Ingestion	Oral LD50 >5g./kg.; no mortalities, or untoward behavior reactions were noted.	N/A

LONG TERM EFFECTS: May be Slightly irritating to unprotected skin.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Provide fresh air, if breathing becomes difficult, call a physician.

Skin: Wash thoroughly with soap and water.

Eyes: Wash immediately with plenty of water and consult a physician.

Ingestion: Unlikely route. Drink plenty of water. Do not induce vomiting.

Consult a nurse or physician. (Keep out of reach of children).

IMPORTANT NOTICE TO PURCHASER: All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with "Terms and Conditions of Sale" and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his/her intended use and assumes all risks and liability whatsoever in connection therewith.



MATERIAL SAFETY DATA SHEET

Preparation Date: 08/24/09



SECTION VI – STABILITY AND REACTIVITY DATA

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur
Incompatibility: None
Conditions to Avoid: None
Hazardous Decomposition Products: Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

SECTION VII – SPILL AND LEAK PROCEDURES

Cured Material: Dispose of in normal manner.
Waste Disposal Method: Incinerate in furnace or bury in landfill in accordance with all applicable regulations; not a hazardous waste.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
Glycidyl ethers of bisphenol A resins	N/est	N/est	N/est	N/est	N/est
Tri(dimethylaminomethyl)phenol	N/est	N/est	N/est	N/est	N/est

PROTECTIVE EQUIPMENT TYPES:

Eyes: Safety glasses or goggles.
Respiratory: None required unless sanding or abrading.
Gloves: Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.
Other: None required.

VENTILATION:

General Mechanical: None required.
Local Exhaust: Only if heated above 100°F (38°C)

SECTION IX – HANDLING AND STORAGE

Storage Temperature: < 90°F (32°C)
Storage Conditions: Store in cool, dry, well ventilated area.
Transfer: No special precautions are needed.
 Follow good manufacturing and handling practices.
Personal Hygiene: Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, face shield, and gloves.
 Professionally launder contaminated clothing before re-use.

Empty container precautions: This container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

SECTION X – REGULATORY INFORMATION

RIGHT-TO-KNOW: The non-hazardous ingredients in the product subject to the Pennsylvania, New Jersey, and/or Massachusetts.

Right-to-Know laws are:

CAS	Chemical Name
14807-96-6	Magnesium Silicate Hydrate
Trade Secret	Polyether Polymercaptan
65997-17-3	Sodium Calcium Magnesium Silicate
37244-96-5	Nepheline Syenite

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.



MATERIAL SAFETY DATA SHEET

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SECTION I – PRODUCT AND COMPANY INFORMATION

Product Name: Fix Stix™
 CAS Number: Mixture
 Hazard Rating: Health: 1 Fire: 1 Reactivity: 0 PPI: B

Company: InduMar Products, Inc.
 Identification: 3355 West Alabama Suite 110
 Houston, TX 77098

Telephone/Fax: 713-977-4100/713-977-4164
 Toll Free: 800-523-7867
 Product Class: EPOXY PUTTY
 Trade Name: Fix Stix™
 Product Code: 38746
 Shipping Name: PUTTY, NMFC 150110

SECTION II – INGREDIENT AND HAZARD INFORMATION

Ingredient Name: Glycidyl ethers of Bisphenol A resins Tri(dimethylaminomethyl)phenol
 CAS Number: 25068-38-6 10 - 30 Y HMIS Health: 2 Fire: 1 Reactivity: 0 PPI:B
 Percent TSCA: 90-72-2 0.5-1.5 Y HMIS Health: 3 Fire: 1 Reactivity: 1 PPI:D

***ALL ingredients in this product are listed in the T.S.C.A. Inventory

SECTION III – PHYSICAL DATA

Form: Putty
 Appearance/Color: Metallic/Black
 Odor: Mercaptan/Sulfur
 Solubility (in water): Insoluble in Water
 PH Value: Not Applicable
 Boiling Range: Not Applicable
 Vapor Pressure (mmHg): Not Applicable
 Melting Point: Not Applicable
 Evaporation Rate: Non Volatile
 Vapor Density: Non Volatile
 % Volatile Weight: 0. %
 % Volatile: < 1 %
 VOC: < 1.0 %
 Heavy Elements (ppm): 0.
 Specific Gravity: 1.9

Note: The physical data represented above are typical values and should not be construed as a specification. For additional physical data and details on use, please obtain a technical data sheet for this product.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flammability Class: none
 Flash Range: none
 Explosive Range: none

Extinguishing Media: Water spray, foam, CO2, dry chemicals.

Unusual Hazards: Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.

Fire Fighting: Anyone who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self contained breathing apparatus (SCBA) and full protective clothing.

SECTION V – HEALTH HAZARD DATA

Glycidyl ethers of bisphenol A resins	Route	Species	Exposure and Dose
Tri(dimethylaminomethyl)phenol	Oral	Rat, adult	LD50 5000, mg/Kg
	Skin	Rabbit, adult	LD50 20000, mg/Kg
	Oral	Rat, adult	LD50 1630, mg/Kg

Permissible Exposure Level: Not Evaluated

EFFECTS OF OVEREXPOSURE:

Inhalation: None
 Ingestion: Possible irritation of intestinal tract.
 Skin Contact: Possible irritant and sensitizer.
 Eye Contact: Possible irritant and sensitizer.

FIRST AID:

Inhalation: Remove to fresh air.
 Ingestion: Seek medical advice.
 Skin Contact: Wash with plenty of soap and water.
 Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice.

NOTE: Never give anything by mouth to an unconscious person.

SECTION VI – STABILITY AND REACTIVITY DATA

Stability: This product is stable
 Hazardous Polymerization: Hazardous polymerization will not occur
 Incompatibility: None
 Conditions to Avoid: None
 Hazardous Decomposition Products: Aldehydes, acids, and oxides of carbon, nitrogen, and sulfur.