FLOORMAX™ Coatings

Phone 877-TECH-986 (877-832-4986)

MATERIAL SAFETY DATA SHEET

Product: FLOORMAX™ Elastomeric Crack Filler Part: Iso
Date: July 3, 2012
Revision No: 1

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FLOORMAX™ Elastomeric Crack Filler (Iso)
MANUFACTURER: FLOORMAX™ Coatings
EMERGENCY PHONE: 877-TECH-986 (877-832-4986)
CHEMICAL NAME: Blend of MDI Based Diisocyanate Prepolymers
CHEMICAL FAMILY: Aromatic Polyisocyanate
PRODUCT USE: Polyurea/Polyurethane Hardener

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO	%WT	SARA 313 REPORTABLE
Diphenylmethane Diisocyanate	Proprietary	10-90	None
Polyurethane Prepolymer of MDI and Polyol		30-70	None

	ppm	mg/m3
OSHA PEL CEILING:	.02	.2
ACGIH TLV CEILING:	.005	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May cause eye, skin, and respiratory tract irritation. May cause allergic respiratory reaction. Harmful if inhaled. May cause allergic Skin reaction. May cause lung damage

ROUTES OF ENTRY: Inhalation; Skin Contact; Eye Contact

POTENTIAL HEALTH EFFECTS

EYES: Liquid, aerosol and vapors of this product may cause irritation
SKIN: May cause skin sensitization
INGESTION: None found
INHALATION: Can cause respiratory tract irritation. Certain individuals may develop isocyanate sensitization (asthma like symptoms).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Asthma and other respiratory disorders (bronchitis, emphysema), skin allergies, eczema

CARCINOGENICITY: Not listed by NTP, IARC or regulated as a carcinogen by OSHA

SECTION 4: FIRST AID MEASURES

EYES: Flush with clean, lukewarm water for at least 15 minutes
SKIN: Remove contaminated clothing. Wash affected area with soap and water

INGESTION: Do not induce vomiting. Call physician immediately. Give 1 to2 cups of milk or water to drink. Never give anything by mouth to an unconscious person.
INHALATION: Move to fresh air. Administer oxygen or artificial respiration as necessary.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Eyes: Stain for evidence of corneal injury. Workplace vapors could produce reversible corneal epithelial edema impairing vision. SKIN: Treat symptomatically for contact dermatitis. INGESTION: Treat symptomatically. There is no specific antidote. INHALATION: This product is known as a pulmonary sensitizer. An individual having a dermal or pulmonary reaction must be removed from further exposure.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/E
(% BY VOLUME) LOWER: N/E

FLASH POINT:
F: >400
C: >204
METHOD USED: PMCC, ASTM 093

AUTOIGNITION TEMPERATURE:
F: >1100
C: >600
HMIS HAZARD CLASSIFICATION
HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1
PROTECTION:
EXTINGUISHING MEDIA: Dry Chemical; Carbon Dioxide; Foam; Water spray for large fires
SPECIAL FIRE FIGHTING PROCEDURES: Full emergency equipment with self-contained breathing apparatus and full protective clothing
UNUSUAL FIRE AND EXPLOSION HAZARDS: None reported
DECOMPOSITION PRODUCTS: C02, carbon monoxide, oxides of nitrogen, HCN, HDI and other undetermined aliphatic fragments

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: SPILL or LEAK: Evacuate nonessential personnel. Remove all sources of ignition and ventilate the area. Notify appropriate authorities if necessary. Dike or impound the spilled material and control further spillage if possible. Cover the spill with sawdust, vermiculite, Fuller's earth or other absorbent material. Pour decontamination solution over spill area and allow to react for 10 minutes. Collect material in open containers and add further decontamination solution.

Decontamination solution: Surfactant Union Carbide Tergitol TMN-10(20%) and water (80%)

SECTION 7: HANDLING AND STORAGE

STORAGE TEMPERATURE: -30 deg F / 122 deg F
SHELF LIFE: 6 months at 77 deg F after receipt of material by customer
OTHER PRECAUTIONS: Storage at temperatures greater than 122 deg F can result in an increase in monomeric HDI content. Store in tightly closed containers to prevent moisture contamination. Nitrogen blanketing of material is recommended.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: A respirator that is recommended or approved for use in isocyanate-containing environments is necessary for spray applications.
EYE PROTECTION: Safety glasses, goggles or faceshield
SKIN PROTECTION: Butyl rubber, nitrile rubber, polyvinyl alcohol gloves. Cover as much exposed skin as possible. Tyvek (or like) suit with headcover is recommended for spray applications.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety showers and eyewash stations should be available
WORK HYGIENIC PRACTICES: Educate and train all employees in the safe use of product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Brown liquid
ODOR:	Musty
PHYSICAL STATE:	Liquid
pH AS SUPPLIED:	N/E
BOILING POINT:	410F, 210C
MELTING POINT:	N/E
FREEZING POINT:	F: -74F C: -59C
VAPOR PRESSURE (mmHg):	<1.0 x 10-5 @ 20 C
SPECIFIC GRAVITY (H2O = 1):	1.24 @ 68 F
EVAPORATION RATE:	N/E
SOLUBILITY IN WATER:	Insoluble
PERCENT SOLIDS BY WEIGHT:	100
VISCOSITY:	880 cps @ 25 C

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions
INCOMPATIBILITY (MATERIALS TO AVOID): Water, amines, strong bases, alcohols
DECOMPOSITION OR BY-PRODUCTS: CO2 , CO HCN and other aromatic fragments
HAZARDOUS POLYMERIZATION: May occur; Contact with moisture or other materials which react with isocyanates or temperatures above 400 F

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

ORAL LD50	greater than 10000 mg/kg(rats)
DERMAL LD50	greater than 5000 mg/kg(rabbits)
INHALATION LC50	lower respiratory irritant
EYE EFFECTS	Severe irritant capable of corneal injury
SKIN EFFECTS	Moderate irritant
OTHER ACUTE EFFECTS	Ames Test —Negative

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: None available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:	Waste must be disposed of in accordance with federal state and local environmental control regulations. Incineration is the preferred method.
RCRA HAZARD CLASS:	If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOMESTIC SURFACE)
PROPER SHIPPING NAME...Other Regulated Substances, Liquid, N.O.S. *see note below

HAZARD CLASS	9
UN NUMBER	UN 3082
PACKING GROUP	III
HAZARDOUS SUBSTANCE	Methylene bisphenyl isocyanate
DOT PRODUCT RQ lbs	8,333 lbs
FREIGHT CLASS BULK	Isocyanate
FREIGHT CLASS PACKAGE	Chemicals, NOI (Isocyanate)

* When in individual containers of less than the product RQ, this material ships as non-regulated

WATER TRANSPORTATION:	IMO/IMDG CODE
HAZARD CLASS:	Not Regulated
AIR TRANSPORTATION:	ICAO/IATA
HAZARD CLASS:	Not Regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): On Inventory
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Reportable quantity 100 lbs
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):
3111312 HAZARD CATEGORIES: Immediate Health Hazard; Delayed Health Hazard; Reactive Hazard
313 REPORTABLE INGREDIENTS: None

SECTION 16: OTHER INFORMATION

Disclaimer: The information and recommendations contained herein are based on standard product and are proprietary and furnished solely for the use of our customers. While believed to be true and accurate, they are offered solely for your consideration, investigation, and verification, and no guarantee or warranty of any kind, expressed or implied, is made by FLOORMAX^{TM} Coatings with respect to this data. The applicability of federal, state and local laws and regulations to this product information must be determined by the user.