FLOORMAX[™] Coatings

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

MATERIAL SAFETY DATA SHEET

Product: FLOORMAX[™] Concrete Fast Patch Date: July 3, 2012 Revision No: 1 Part: Iso

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

| PRODUCT NAME: | FLOORMAX [™] Concrete Fast Patch (Iso) |
|------------------|---|
| MANUFACTURER: | FLOORMAX TM Coatings |
| EMERGENCY PHONE: | 877-TECH-986 (877-832-4986) |
| CHEMICAL NAME: | Blend of MDI Based Diisocyanate Prepolymers |
| CHEMICAL FAMILY: | Aromatic Polyisocyanate |
| PRODUCT USE: | Concrete Repair (mix with side B) |

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u> Diphenylmethane Diisocyanate | <u>CAS NO</u> 26447-40-5 | <u>%WT</u> 30-70 | <u>SARA 313 REPORTABLE</u> None |
|---|---------------------------------|------------------------------------|------------------------------------|
| Polyurethane Prepolymer of MDI and Polyol | | 30-70 | None |
| Aromatic Petroleum 64742-94-5 | 64742-94-5 | 10-40 | |
| OSHA PEL-TWA: OSHA PEL STEL: OSHA PEL CEILING: | <u>ppm</u> N/E N/E N/E | <u>mg/m3</u> N/E N/E 0.20 | |
| ACGIH TLV-TWA: ACGIH TLV STEL: ACGIH TLV CEILING: | N/E N/E N/E | 0.05 (8-hour,4 N/E N/E | 0 hours/week) |

SECTION 2 NOTES: N/E= Not Established

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 to 2 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: 2 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: 50 deg F / 100 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 isocyanatecontaining 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: ODOR: PHYSICAL STATE: pH AS SUPPLIED: BOILING POINT: MELTING POINT: FREEZING POINT: | Brown liquid Musty Liquid N/E 410F, 210C N/E F: -74F C: -59C | |
|---|---|--------------------|
| VAPOR PRESSURE (m | nmHg): | <1.0 x 10-5 @ 20 C |
| SPECIFIC GRAVITY (H | 20 = 1): | 1.14 @ 68 F |
| EVAPORATION RATE: | | N/E |
| SOLUBILITY IN WATER: | | Insoluble |
| PERCENT SOLIDS BY | WEIGHT: | 100 |
| VISCOSITY: | | 600 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

| | DRTATION (DOMESTIC SURFACE) r 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 FLOORMAXTM 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.