

# SAFETY DATA SHEET

## 1.0 IDENTIFICATION

- 1.1 **GHS product identifier:** PM-550 Waterborne Urethane Gray, Part A
- 1.2 **Other means of identification:** Waterborne resin dispersion
- 1.3 **Recommended use of the chemical and restrictions on use:** N/A
- 1.4 **Supplier's details:** Multicoat Corporation  
23331 Antonio Parkway  
Rancho Santa Margarita CA 92888  
Information Telephone Number: 877-685-8426
- 1.5 **Emergency phone number:** 1-800-255-3924

## 2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance or mixture:**  
Acute Toxicity – Dermal 5, Skin Corrosion/Irritant 5, Eye Damage/Irritation 5, Oral 5, Inhalation 5
- 2.2 **GHS label elements:**



**Signal Word:** Warning

**Hazard Statement:** May be harmful in contact with skin

**Prevention:** Wear protective gloves/protective clothing.

**Response:** If on skin: wash with plenty of soap and water. Call a poison center or doctor/physician if you feel unwell. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash contaminated clothing before reuse.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Warning

**Hazard Statement:** May cause eye irritation

**Prevention:** Flush eyes thoroughly after eye contact.

**Response:** If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.



**Signal Word:** Warning

**Hazard Statement:** May be harmful if swallowed

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response:** If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Warning

**Hazard Statement:** May be harmful if inhaled

**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

- 2.3 **Other hazards which do not result in classification:** N/A
- 2.4 **Hazards Material Information System (United States):**

|                        |          |
|------------------------|----------|
| <b>Health</b>          | <b>1</b> |
| <b>Flammability</b>    | <b>0</b> |
| <b>Physical Hazard</b> | <b>0</b> |

Hazard Codes: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

## 3.0 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

| Chemical Identity | CAS No.   | Concentration |
|-------------------|-----------|---------------|
| water             | 7732-18-5 | 40-50%        |

The remaining components are proprietary.

## 4.0 FIRST-AID MEASURES

**4.1 Description of necessary first-aid measures:**

**Eye Contact: Remove contact lenses at once.** Flush eyes with water for at least 15 minutes while holding eyelids apart. Seek medical attention if irritation develops.

**Skin Contact:** Remove contaminated clothing and wash exposed area with soap and water.

**Inhalation:** Remove to fresh air if effects occur. If not breathing, give artificial respiration. **Get immediate medical attention.**

**Ingestion:** Keep person warm and quiet and get medical attention. Do not induce vomiting.

**4.2 Most Important symptoms/effects, acute and delayed:**

**Aggravated Medical Conditions:** Overexposure to vapor, dust, or mist may aggravate existing respiratory conditions, such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.

**Other Health Effects:** Unknown

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:** Note to Physician:

Treatment based on judgment of the physician in response to reactions of the patient. Contact a poison control center for additional treatment information.

**5.0 FIRE-FIGHTING MEASURES**

**5.1 Suitable extinguishing media:** Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

**5.2 Specific hazards arising from the chemical:** Hazardous combustion products may include intense heat, carbon monoxide, carbon dioxide, dense smoke and irritating vapors.

**5.3 Special protective actions for fire-fighters:** Use a positive pressure self-contained breathing apparatus.

**6.0 ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:** Ventilate the area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or confined areas.

**6.2 Methods and materials for containment and clean up:** Contain spill if possible. Wipe up or absorb on suitable material and pick up with shovels. Prevent entry into sewers and waterways. Dispose of in accordance with federal, state, and local regulations.

**7.0 HANDLING AND STORAGE**

**7.1 Precautions for safe handling:** Ground all transfer equipment. Take precautionary measures against static discharge. Handle as an industrial chemical.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed when not in use. Practice good caution and personal cleanliness to avoid skin and eye contact. Hold bulk storage under nitrogen blanket. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

**8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

| Component | CAS No.   | Percent | Exposure Limits  | Source |
|-----------|-----------|---------|------------------|--------|
| water     | 7732-18-5 | 40-50%  | None established |        |

**8.2 Appropriate engineering controls:** N/A

**8.3 Individual protection measures, such as personal protective equipment:**

**Respiratory Protection:** Airborne concentrations should be kept to lowest levels possible. Use in an appropriately ventilated area. Selection of air-purifying or positive-pressure supplied air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**Protective Clothing:** Protective clothing such as uniforms, coveralls, or lab coats must be worn. Launder or dry-clean when soiled. Gloves and goggles resistant to chemicals and petroleum distillates required.

**9.0 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Appearance (physical state, color, etc.):** Gray liquid

**9.2 Odor:** slight ammonia odor.

**9.3 Odor threshold:** N/A

**9.4 pH:** 8-9

**9.5 Melting point/freezing point:** N/A

**9.6 Initial boiling point and boiling range:** >200° C

- 9.7 **Flash Point:** >250° F
- 9.8 **Evaporation rate:** .07
- 9.9 **Flammability (solid, gas):** N/A
- 9.10 **Upper/lower flammability or explosive limits:** Not established
- 9.11 **Vapor pressure:** 29.33 mm/Hg @ 68° F
- 9.12 **Vapor Density:** .569 @ 25° C
- 9.13 **Relative density (specific gravity):** 1.06
- 9.14 **Solubility(ies):** complete (in water)
- 9.15 **Partition coefficient; n-octanol/water:** N/A
- 9.16 **Auto-ignition temperature:** N/A
- 9.17 **Decomposition temperature:** N/A
- 9.18 **Viscosity:** N/A

## 10.0 STABILITY AND REACTIVITY

- 10.1 **Reactivity:** N/A
- 10.2 **Chemical stability:** Stable under normal conditions of handling.
- 10.3 **Possibility of hazardous reactions:** Will not occur.
- 10.4 **Conditions to avoid:** High temperatures over 70°C, freezing temperatures and open flame.
- 10.5 **Incompatible materials:** N/A
- 10.6 **Hazardous decomposition products:** Carbon monoxide, Carbon dioxide, dense smoke, irritating vapors

## 11.0 TOXICOLOGICAL INFORMATION

- 11.1 **Likely routes of exposure:** N/A
- 11.2 **Symptoms related to the physical, chemical and toxicological characteristics:**
  - Eye Contact:** May cause eye irritation.
  - Skin Contact:** May cause dermal irritation.
  - Inhalation:** Excessive inhalation of vapors may cause nasal and respiratory irritation.
  - Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- 11.3 **Delayed and immediate effects and also chronic effects from short and long term exposure:** N/A
- 11.4 **Numerical measures of toxicity:**

| Ingredient Name | CAS No.   | %      | Acute Oral LD50 | Acute Dermal LD50 | Acute Inhalation LC50 |
|-----------------|-----------|--------|-----------------|-------------------|-----------------------|
| water           | 7732-18-5 | 40-50% | Not established | Not established   | Not established       |

## 12.0 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:** N/A
- 12.2 **Persistence and degradability:** N/A
- 12.3 **Bioaccumulative potential:** N/A
- 12.4 **Mobility in soil:** N/A
- 12.5 **Other adverse effects:** N/A

## 13.0 DISPOSAL CONSIDERATIONS

- 13.1 **Disposal methods:** Dispose of in accordance with federal, state, and local regulations.

## 14.0 TRANSPORT INFORMATION

- 14.1 **UN number:** Not regulated
- 14.2 **UN proper shipping name:** N/A
- 14.3 **Transport hazard class(es):** N/A
- 14.4 **Packing group, if applicable:** N/A
- 14.5 **Environmental hazards:** N/A
- 14.6 **Transport in bulk:** N/A
- 14.7 **Special precautions for user:** N/A

## 15.0 REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations:**  
Not meant to be all-inclusive. Selected regulations presented.

**A. SARA Title III Section 311/312:** Immediate (eye irritant)

**B. WHMIS Classification:** Residual component(s) are below the concentration threshold listed of the ingredient disclosure list.

**C. TSCA Status:** Listed on TSCA Inventory

**D. OSHA Hazard Comm. Std.:** See Section 2

CA = California Haz. Subst. List; CA65 = California Safe Drinking Water and Toxics Enforcement Act List; CT = Connecticut Tox. Subst. List; FL = Florida Subst. List; IL = Illinois Tox. Subst. List; LA = Louisiana Haz. Subst. List; MA = Massachusetts Subst. List; ME = Maine Haz. Subst. List; MN = Minnesota Haz. Subst. List; NJ = New Jersey Haz. Subst. List; PA = Pennsylvania Haz. Subst. List; RI = Rhode Island Haz. Subst. List.

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## **16.0 OTHER INFORMATION**

### **16.1 Date of Preparation:** 3/18/2015

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To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

# SAFETY DATA SHEET

## 1.0 IDENTIFICATION

- 1.1 **GHS product identifier:** PM-550 Waterborne Urethane Cure Agent, Part B
- 1.2 **Other means of identification:** Hydrophilic Aliphatic Polyisocyanate
- 1.3 **Recommended use of the chemical and restrictions on use:** N/A
- 1.4 **Supplier's details:** Multicoat Corporation  
23331 Antonio Parkway  
Rancho Santa Margarita CA 92688  
Information: 877-685-8426
- 1.5 **Emergency phone number:** 1-800-255-3924

## 2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance or mixture:**  
Acute Toxicity -- Skin Corrosion/Irritation 4, Eye Damage/Irritation 4, Oral 4, Inhalation 4
- 2.2 **GHS label elements:**



**Signal Word:** Warning

**Hazard Statement:** Causes skin irritation

**Prevention:** Wash hands thoroughly after handling. Wear protective gloves.

**Response:** If on skin: wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.



**Signal Word:** Warning

**Hazard Statement:** Causes eye irritation

**Prevention:** Flush eyes thoroughly after eye contact.

**Response:** If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.



**Signal Word:** Warning

**Hazard Statement:** Harmful if swallowed

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response:** If swallowed: Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

**Disposal:** Dispose of in accordance with federal, state, and local regulations.



**Signal Word:** Warning

**Hazard Statement:** Harmful if inhaled

**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

**Response:** If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

- 2.3 **Other hazards which do not result in classification:** N/A

## 2.4 Hazards Material Information System (United States):

|                 |   |
|-----------------|---|
| Health          | 2 |
| Flammability    | 1 |
| Physical Hazard | 1 |

Hazard Codes: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

## 3.0 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

|   |            |         |
|---|------------|---------|
| Homopolymer of Hexamethylene Diisocyanate | 28182-81-2 | 60-100% |
|---|------------|---------|

|  |              |        |
|--|--------------|--------|
| Hydrophylic Aliphatic<br>Polyisocyanate based on<br>Hexamethylene Diisocyanate | trade secret | 15-25% |
| Hexamethylene-1,6-Diisocyanate*  | 822-06-0     | < 0.1% |

\*Monomer content is less than 0.1% based on resin solids at the time of manufacture.

#### 4.0 FIRST-AID MEASURES

##### 4.1 Description of necessary first-aid measures:

**Eye Contact:** Immediately flush eyes with large amounts of water or normal saline for at least 30 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Then remove contact lenses, if easily removable, and continue eye irrigation for not less than 15 minutes. Get medical attention if irritation develops.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse.

**Inhalation:** Remove victim to fresh air if effects occur. If not breathing, give artificial respiration. **Get immediate medical attention.** Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours.

**Ingestion: Do not induce vomiting.** If patient is conscious and can swallow, give two cups of water or milk (16 oz.). **Get immediate medical attention.** Never give anything by mouth to an unconscious or convulsing person.

##### 4.2 Most Important symptoms/effects, acute and delayed:

**Signs and Symptoms:** Irritation as noted above. Skin sensitization (allergy) may be evidenced by blisters, redness, or rashes, especially hives.

**Aggravated Medical Conditions:** Preexisting skin and eye disorders may be aggravated by exposure to this product. Preexisting skin and lung allergies may increase the chance of developing increased allergy symptoms from exposure to this product.

**Other Health Effects:** Based on animal studies, repeated exposure to components of this product may cause damage to respiratory systems. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

##### 4.3 Indication of immediate medical attention and special treatment needed, if necessary:

###### Note to Physician:

**Eyes:** Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation frequently. Workplace vapors could produce reversible corneal epithelial edema impairing vision.

**Skin:** This product is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn.

**Ingestion:** Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of the product.

**Inhalation:** This product is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a dermal or pulmonary sensitization reaction to this material must be removed from any further exposure to any isocyanate.

**Contact a Poison Control Center for additional treatment information.** Health studies have shown that many petroleum hydrocarbons pose potential human health risks, which vary from person to person. As a precaution, exposure to liquids, vapors, mists, or fumes should be minimized.

#### 5.0 FIRE-FIGHTING MEASURES

**5.1 Suitable extinguishing media:** Use foam, dry chemical, water spray, or CO<sub>2</sub>.

**5.2 Specific hazards arising from the chemical:** Flash Point is >200°F. Closed containers may explode when exposed to extreme heat or burst when contaminated with water (CO<sub>2</sub> evolved).

**5.3 Special protective actions for fire-fighters:** Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. During a fire, HDI vapors and other irritating, highly toxic gases may be generated by thermal decomposition. Use water spray to cool fire-exposed surfaces and to protect personnel. Try to cover liquid spills with foam. Solvent vapors are heavier than air and may travel a considerable distance where they may linger and/or find an ignition source and flash back.

#### 6.0 ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate nonessential personnel. Ventilate the area. Avoid breathing vapor. Use self-contained breathing apparatus or supplied air for large spills or confined areas.

**6.2 Methods and materials for containment and clean up:** Contain spill if possible. Prevent entry into sewers and waterways. Cover spill with sawdust, vermiculite, Fuller's earth, or other absorbent material. Pour decontamination solution over spill area and allow reacting for at least 10 minutes. Collect material in open containers and add further

amounts of decontamination solution. Remove containers to a safe place, cover loosely, and allow to stand for 24 to 48 hours. Wash down spill area with decontamination solutions.

Decontamination Solutions: 1. nonionic surfactant Union carbide's Tergitol TMN-10 (20%) and water (80%) 2. concentrated ammonia (3-8%), detergent (2%), and water (90-95%). Dispose of in accordance with federal, state, and local regulations.

## 7.0 HANDLING AND STORAGE

- 7.1 Precautions for safe handling:** Ground all transfer equipment. Take precautionary measures against static discharge. Handle as an industrial chemical.
- 7.2 Conditions for safe storage, including any incompatibilities:** Ground all transfer equipment. Take precautionary measures against static discharge. Handle as an industrial chemical. Keep container tightly closed when not in use to prevent moisture contamination. Do not reseal if contamination is suspected. Practice good caution and personal cleanliness to avoid skin and eye contact. Hold bulk storage under nitrogen blanket. Store in a cool (between 50 and 81°F), dry place with adequate ventilation. Keep away from open flames and high temperatures. At temperatures above 100°F, material may slowly polymerize without hazard.

## 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

| Component                                 | CAS No.    | Percent | Exposure Limits   | Source |
|---|------------|---------|---|--------|
| Homopolymer of Hexamethylene Diisocyanate | 28182-81-2 | 60-100% | 0.5 mg/m <sup>3</sup> (rec. by supplier) TWA<br>1.0 mg/m <sup>3</sup> (rec. by supplier) STEL |        |
| Hexamethylene-1,6-Diisocyanate            | 822-06-0   | < 0.1%  | 0.005 ppm TWA<br>0.02 ppm (rec. by supplier) Ceiling limit                                    | ACGIH  |

**8.2 Appropriate engineering controls:** N/A

**8.3 Individual protection measures, such as personal protective equipment:**

**Respiratory Protection:** Provide adequate ventilation. Avoid breathing of vapors or mists. Airborne concentrations should be kept to lowest levels possible. When exposures are not adequately controlled, use a respirator approved for use in isocyanate environments. Selection of air purifying or positive-pressure supplied air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**Protective Clothing:** Contact Lenses should not be worn. Precautions should be taken so that persons handling this product do not breathe the vapors or have it contact the eyes or skin. In spray operations, protection must be afforded against exposure to both vapor and spray mist. Protective clothing such as uniforms, coveralls, or lab coats must be worn. Launder or dry-clean when soiled. Gloves and goggles resistant to chemicals and petroleum distillates are required. If skin creams are used, keep the area protected only by the cream to a minimum. When handling large quantities, impervious suits, gloves, and rubber boots must be worn.

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance (physical state, color, etc.):** Clear liquid
- 9.2 Odor:** slight
- 9.3 Odor threshold:** N/A
- 9.4 pH:** N/A
- 9.5 Melting point/freezing point:** N/A
- 9.6 Initial boiling point and boiling range:** Not established
- 9.7 Flash Point:** >200°F
- 9.8 Evaporation rate:** Not established
- 9.9 Flammability (solid, gas):** N/A
- 9.10 Upper/lower flammability or explosive limits:** Not established
- 9.11 Vapor pressure:** Not established
- 9.12 Vapor Density:** Not established
- 9.13 Relative density (specific gravity):** 1.16
- 9.14 Solubility(ies):** Insoluble - reacts slowly with water to liberate CO<sub>2</sub> gas.
- 9.15 Partition coefficient; n-octanol/water:** N/A
- 9.16 Auto-ignition temperature:** N/A
- 9.17 Decomposition temperature:** N/A
- 9.18 Viscosity:** N/A

**10.0 STABILITY AND REACTIVITY**

- 10.1 Reactivity:** N/A
- 10.2 Chemical stability:** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** May occur. Contact with moisture or other materials which react with isocyanates or temperatures over 400F (204C) may cause polymerization.
- 10.4 Conditions to avoid:** Water, amines, strong bases, alcohols, metal compounds and surface-active materials.
- 10.5 Incompatible materials:** N/A
- 10.6 Hazardous decomposition products:** By heat and fire -- carbon monoxide, carbon dioxide, oxides of nitrogen, HCN, HDI.

**11.0 TOXICOLOGICAL INFORMATION**

- 11.1 Likely routes of exposure:** N/A
- 11.2 Symptoms related to the physical, chemical and toxicological characteristics:**  
**Eye Contact:** Irritating and will injure eye tissue if not removed promptly. Prolonged vapor contact may cause conjunctivitis.  
**Skin Contact:** Isocyanates react with skin protein and moisture and can cause severe irritation. Has been known to cause allergic skin reaction in humans. Prolonged contact may cause blisters. Cured material is difficult to remove.  
**Inhalation:** High vapor concentrations are irritating to the eyes and respiratory tract causing runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function (breathing obstruction). The solvent vapors are anesthetic, cause headaches and dizziness and may have other central nervous system effects, including death. As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma), which will cause them to react to a later exposure to isocyanate at levels well below the TLV. Sensitization may be either temporary or permanent.  
**Ingestion:** Can result in irritation and possible corrosive action in the mouth, stomach tissue, and digestive tract. Vomiting may cause aspiration of the solvent resulting in chemical pneumonitis.
- 11.3 Delayed and immediate effects and also chronic effects from short and long term exposure:** N/A
- 11.4 Numerical measures of toxicity:**

| Ingredient Name                           | CAS No.    | %       | Acute Oral LD50     | Acute Dermal LD50      | Acute Inhalation LC50   |
|---|------------|---------|---------------------|------------------------|---|
| Homopolymer of Hexamethylene Diisocyanate | 28182-81-2 | 60-100% | > 5,000 mg/kg (rat) | > 5,000 mg/kg (rabbit) | 390-453 mg/m <sup>3</sup> , aerosol, 4 hrs (rat, male/female) |
| Hexamethylene-1,6-Diisocyanate            | 822-06-0   | < 0.1%  | Not available       | Not available          | Not available   |

**12.0 ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicity:** N/A
- 12.2 Persistence and degradability:** N/A
- 12.3 Bioaccumulative potential:** N/A
- 12.4 Mobility in soil:** N/A
- 12.5 Other adverse effects:** N/A

**13.0 DISPOSAL CONSIDERATIONS**

- 13.1 Disposal methods:** Dispose of in accordance with federal, state, and local regulations.

**14.0 TRANSPORT INFORMATION\***

- 14.1 UN number:** UN 3082
- 14.2 UN proper shipping name:** Other regulated substances, liquid, n.o.s. (contains Hexamethylene-1,6-Diisocyanate), 9, PG III, UN 3082
- 14.3 Transport hazard class(es):** 9
- 14.4 Packing group, if applicable:** III
- 14.5 Environmental hazards:** N/A
- 14.6 Transport in bulk:** N/A
- 14.7 Special precautions for user:** N/A
- 14.8 Additional Transportation Information**

\*When in individual containers of less than the Product RQ (45,359 kg), this material ships as non-regulated.

**15.0 REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations:**

Not meant to be all-inclusive. Selected regulations presented.

**A. SARA Title III Section 311/312 hazards:** Immediate health hazard, delayed health hazard, reactive hazard

**B. TSCA Status:** Listed on TSCA Inventory

**C. OSHA Hazard Comm. Std.:** See Section 2

Homopolymer of Hexamethylene Diisocyanate: MA, PA, NJ

Hydrophylic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate: NJ

CA = California Haz. Subst. List; CA65 = California Safe Drinking Water and Toxics Enforcement Act List; CT = Connecticut Tox. Subst. List; FL = Florida Subst. List; IL = Illinois Tox. Subst. List; LA = Louisiana Haz. Subst. List; MA = Massachusetts Subst. List; ME = Maine Haz. Subst. List; MN = Minnesota Haz. Subst. List; NJ = New Jersey Haz. Subst. List; NJ2 = New Jersey Other; PA = Pennsylvania Haz. Subst. List; PA2 = Pennsylvania Non-hazardous present at 3% or Greater; RI = Rhode Island Haz. Subst. List.

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**16.0 OTHER INFORMATION****16.1 Date of Preparation:** 3/18/2015

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To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.