SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Identifiers
Product Name: ARDEX PANDOMO® PS Part B Crosslinker
Code No.: 50050241
Trade Name/Synonyms: ARDEX PANDOMO PS Part B
Material Use: Polyurethane crosslinker for PANDOMO systems
Restrictions on Use: Use only as recommended in the product’s Technical Data Sheet
Details of the Supplier
Manufacturer’s name and address: ARDEX Engineered Cements
400 Ardex Park Dr.
Aliquippa, PA 15001 USA
Supplier’s name and address: Refer to Manufacturer

Information Telephone No.: (724) 203-5000
Website Address: http://www.ardexamericas.com
24 Hr Emergency Telephone #: CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)
- Acute Toxicity, Inhalation; Category 4
- Sensitization, Dermal; Category 1
- Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Irritation; Category 3

GHS Pictograms: 

Signal Word
- Warning

Hazard Statements
- Harmful if inhaled.
  May cause an allergic skin reaction.
  May cause respiratory irritation.

Precautionary Statements
- Avoid breathing dust/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/protective clothing/eye protection. Wash hands and exposed skin thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a doctor or emergency medical facility (i.e. 911) if you feel unwell. If skin irritation or rash occurs: Get medical attention. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing before reuse. Store in
a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with federal, state, and local laws. Do not allow product to enter drains.

Hazards Not Otherwise Classified: None.

% Composition with unknown acute toxicity data: Less than 1% of this product consists of ingredients with unknown acute toxicity.

Special Instructions: Contains Isocyanates. Use according to the directions. Do not spray or heat.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>% (by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homopolymer of Hexamethylene Diisocyanate</td>
<td>28182-81-2</td>
<td>60 - 100</td>
</tr>
<tr>
<td>Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate</td>
<td>666723-27-9</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>822-06-0</td>
<td>&lt; 0.23</td>
</tr>
</tbody>
</table>

The exact percentages of the ingredients are withheld as trade secrets.

### SECTION 4 – FIRST AID MEASURES

**Most Important Symptom(s)/Effect(s)**

**Acute**: Isocyanate vapors or mist at concentrations above the exposure limits or guidelines can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with a preexisting, nonspecific bronchial hyperreactivity can respond to concentrations below the exposure limits or guidelines with similar symptoms as well as asthma attack or asthma-like symptoms. Exposure well above the exposure limits or guidelines may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g., fever, chills), has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible.

May cause skin irritation with symptoms of reddening, itching, and swelling. Can cause sensitization. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove.

May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor or aerosol may cause irritation with symptoms of burning and tearing.

May cause irritation of the digestive tract; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

**Delayed**: Symptoms affecting the respiratory tract can also occur several hours after overexposure.

**First Aid**

**Eye Contact**: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. 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**: If direct skin contact with isocyanates occurs, immediately remove contaminated clothing and shoes. Wipe off the isocyanate product from the skin using dry towels or other similar absorbent fabric. Wash with soap and warm water for 15 minutes and pat dry. Get medical attention if irritation develops. Discard or wash contaminated clothing before reuse.
Inhalation: Move to an area free from further exposure. Extreme asthmatic reactions that may occur in sensitized persons can be life threatening. Get medical attention immediately. Administer oxygen or artificial respiration as needed. Asthmatic symptoms may develop and may be immediate or delayed up to several hours.

Ingestion: Do NOT induce vomiting. Wash mouth out with water. Do not give anything by mouth to an unconscious person. Get medical attention.

Notes to Physician:
- Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed. Workplace vapors could produce reversible corneal epithelial edema impairing vision.
- Skin: This compound is a 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 compound.
- Inhalation: Treatment is essentially symptomatic. An individual having a dermal or pulmonary sensitization reaction to this material should be removed from further exposure to any diisocyanate.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, carbon dioxide, foam. Water spray for large fires.

Unsuitable extinguishing media: High pressure water jet may spread the fire. Isocyanates react with water to produce heat and evolve (non-flammable) gases.

Hazardous combustion products: Carbon monoxide carbon dioxide, nitrogen oxides, hydrogen cyanide, and/or low molecular weight hydrocarbons. Vapors/fumes are toxic.

Fire hazards/conditions of flammability: Vapors will ignite at high temperatures. In a fire, this product will generate toxic vapors. High temperatures may cause closed containers to rupture. Chemical reaction of this product with water will generate CO2 gas, which can also cause containers to rupture. Use cold-water spray to cool fire-exposed containers to minimize the risk of rupture. Large fires can be extinguished with large volumes of water applied from a safe distance, since reaction between water and hot diisocyanate can be vigorous.

Special fire-fighting procedures/equipment: Firefighters should wear NFPA compliant structural firefighting protective equipment, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Exposure to heated diisocyanate can be extremely dangerous.


Flash point: 383°F (195°C) Lower flammable limit (% by vol): Not available
Flash point method: Setaflash closed cup Upper flammable limit (% by vol): Not available
Auto-ignition temperature: 806°F (430°C) Oxidizing properties: None
Flame projection length: Not available Flashback observed: Not available

Explosion data: Sensitivity to mechanical impact / static discharge: Not expected to be sensitive to mechanical impact or static discharge.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: See Section 7 for safe handling procedures. Wear chemically resistant personal protective equipment during cleanup. Restrict access to area until completion of clean-up. All persons dealing with clean-up must be properly trained and wear the appropriate chemically protective equipment. Refer to Section 8 on this Safety Data Sheet, EXPOSURE CONTROLS / PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions: Do not allow product to enter waterways. Do not allow material to contaminate ground water system.
Spill response / clean-up: Ventilate area of release. Stop spill or leak at source if safely possible. Contain product with inert absorbent material, preventing it from entering sewer lines or waterways. Cover the spill area with suitable absorbent material (e.g., vermiculite, kitty litter, Oil-Dri®, etc.). Allow for the absorbent material to absorb the spilled liquid. Shovel the absorbent material into an approved metal container (i.e., 55-gallon salvage drum). Do not fill the container more than 2/3 full to allow for expansion, and do not tighten the lid on the container. Repeat application of absorbent material until all liquid has been removed from the surface.

After removing spilled material as described above, decontaminate surfaces involved with the spill using a neutralization solution (mix detergent floor cleaner [if a concentrate, dilute 1 part concentrate into 9 parts water] and about 10% household ammonia); scrubbing the surface with a broom or brush helps the decontamination solution to penetrate into porous surfaces. Use caution, as the surface may be slippery. Wait at least 15 minutes after first application of the neutralization solution. Cover the area with absorbent material and shovel this into an approved metal container. Note: Always wear proper PPE when cleaning up an isocyanate spill and using a neutralization solution. It may take two or more applications of the neutralization solution to decontaminate the surface. Clean up any detergent residue with fresh water.

With the lid still loosely in place, move the container holding the isocyanate waste and decontamination solution waste to an isolated, well-ventilated area to allow release of carbon dioxide. After 72 hours, seal the container, and properly dispose of the waste material in accordance with existing federal, state and local regulations.

Prohibited materials: Avoid strong oxidizing agents. Do not allow spilled material to mix with alcohols, amines (including polyols and polyamines), and water. Chemical reaction with these materials causes polymerization and release of heat energy.

Special spill response procedures: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002). Outside of the U.S. call the emergency number listed in Section 1. US CERCLA Reportable quantity (RQ): hexamethylene-1,6-diisocyanate: 100 lbs (45.45 kg). Reportable Quantity (RQ) for the product: 43497 lbs (19730 kg)

SECTION 7 – HANDLING AND STORAGE

Safe handling procedures: Do NOT get into eyes, on skin or on clothing. Do NOT breathe vapor, mists, or dusts. Use adequate ventilation to keep airborne isocyanate levels below the exposure limits. Wear respiratory protection if material is heated, sprayed, used in a confined space, or if the exposure limit is exceeded. Warning properties (irritation of the eyes, nose and throat or odor) are not adequate to prevent overexposure from inhalation. This material can produce asthmatic sensitization upon either single inhalation exposure to a relatively high concentration or upon repeated inhalation exposures to lower concentrations. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed to vapor or spray mist. Wear appropriate eye and skin protection. Wash thoroughly after handling. Do not breathe smoke and gases created by overheating or burning this material. Decomposition products can be highly toxic and irritating. Store in tightly closed containers to prevent moisture contamination. Do not resell if contamination is suspected. Do not eat, drink or smoke in the work area. Wash thoroughly after handling. Promptly remove any clothing that becomes contaminated. Clean or discard contaminated clothing before reuse. Keep container tightly closed.

Storage requirements: Store in a cool, dry, well-ventilated area. Store away from heat and open flame. Avoid storing in direct sunlight. Keep from freezing. Recommended storage temperature range is between 18 °C and 29 °C (65 °F and 85 °F). DO NOT EXCEED 49 °C/120 °F. Store in original container. Keep tightly closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

Incompatible materials: Water, Amines, Strong bases, Alcohols, Copper alloys.

Special packaging materials: Always keep in containers made of the same materials as the supply container.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION
The recommendations in this section should not be a substitute for a Personal Protective Equipment (PPE) assessment performed by the employer as required by 29 CFR 1910 Subpart I.

**Ventilation and engineering measures:** Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product. Good industrial hygiene practice dictates that worker protection should be achieved through engineering controls, such as ventilation, whenever feasible. When such controls are not feasible to achieve full protection, the use of respirators and other personal protective equipment is mandated. See “Respiratory protection” below.

**Respiratory protection:** If a work process (e.g., spraying, heating) generates excessive quantities of vapor, or exposures in excess of any PEL, wear a NIOSH approved organic vapor cartridge respirator.

**Skin protection:** Wear chemical resistant protective clothing and impervious gloves. Proper protective clothing includes long sleeves and pants. Glove materials such as Nitrile rubber, Butyl rubber, Neoprene, or Viton (fluorocarbon rubber) are recommended.

**Eye / face protection:** Chemical goggles must be worn when using this product. A face shield is recommended if splashing is possible.

**Other protective equipment:** Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. An eyewash station and safety shower must be made available in the immediate working area.

**General hygiene considerations:** Avoid contact with eyes, skin and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Clean all equipment and clothing at end of each work shift. Contaminated work clothing should not be allowed out of the workplace.

**Medical surveillance:** All applicants who are assigned to an isocyanate work area should undergo a pre-placement medical evaluation. A history of eczema or respiratory allergies such as hay fever, are possible reasons for medical exclusion from isocyanate areas. Applicants who have a history of adult asthma should be restricted from work with isocyanates. Applicants with a history of prior isocyanate sensitization should be excluded from further work with isocyanates. A comprehensive annual medical surveillance program should be instituted for all employees who are potentially exposed to diisocyanates. Once a worker has been diagnosed as sensitized to any isocyanate, no further exposure can be permitted.

**Permissible exposure levels:**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
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<td></td>
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<td>STEL</td>
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<tr>
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<tr>
<td>Homopolymer of Hexamethylene Disocyanate</td>
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<td>N/Av</td>
<td>N/Av</td>
</tr>
<tr>
<td>Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Disocyanate</td>
<td>666723-27-9</td>
<td>N/Av</td>
<td>N/Av</td>
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<tr>
<td>Hexamethylene-1,6-Disocyanate</td>
<td>822-06-0</td>
<td>0.005 ppm</td>
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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
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<th>Physical state</th>
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<tbody>
<tr>
<td>Odor</td>
<td>Earthy, musty</td>
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<tr>
<td>pH</td>
<td>N/Av</td>
</tr>
<tr>
<td>Boiling point</td>
<td>N/Ap (decomp.)</td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td>N/Av</td>
</tr>
<tr>
<td>Vapor pressure (mm Hg @ 20°C / 68°F)</td>
<td>N/Av</td>
</tr>
<tr>
<td>Vapor density (Air = 1)</td>
<td>N/Av</td>
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<tr>
<td>Volatile organic compounds (VOCs)</td>
<td>78 g/L A+B per ASTM D2369</td>
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<tr>
<td>General information</td>
<td>N/Av</td>
</tr>
<tr>
<td>Particle size</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

**Appearance** : Yellow-brown

**Odor threshold** : N/Av

**Specific gravity** : 1.15

**Coefficient of water/oil distribution** : N/Av

**Solubility in water** : Insoluble

**Decomposition temperature** : 150°C

**Evaporation rate (n-Butyl acetate = 1)** : N/Av

**Volatiles (% by weight)** : N/Av

**Flammability properties** : See Section 5.
Dynamic Viscosity: 1000 mPa.s 20°C Kinematic Viscosity: N/Av

SECTION 10 – REACTIVITY AND STABILITY INFORMATION

Stability and reactivity: Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerization: When handled according to the directions in the Technical Data Sheet, this product chemically reacts with PANDOMO PS Part A to form a polymer, generating low levels of heat. This product is capable of reacting with polyols, amines, and water. Heating to temperatures above 350°F (177°C) may also cause polymerization. Only use this product according to the directions on the Technical Data Sheet.
Conditions to avoid: Avoid exposure to excessive heat, flames, or sparks. Protect from freezing.
Materials to avoid and incompatibility: Water, Amines, Strong bases, Alcohols, Copper alloys.
Hazardous decomposition products: Refer to hazardous combustion products in Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure: Inhalation: YES Skin Absorption: No Skin and Eyes: Yes Ingestion: No

Health Effects and Symptoms

Acute: Isocyanate vapors or mist at concentrations above the exposure limits or guidelines can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with a preexisting, nonspecific bronchial hyperreactivity can respond to concentrations below the exposure limits or guidelines with similar symptoms as well as asthma attack or asthma-like symptoms. Exposure well above the exposure limits or guidelines may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g. fever, chills), has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible.

May cause skin irritation with symptoms of reddening, itching, and swelling. Can cause sensitization. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove.

May cause eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor or aerosol may cause irritation with symptoms of burning and tearing.

May cause irritation of the digestive tract; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.

Chronic: As a result of previous repeated overexposures or a single large dose, certain individuals may develop sensitization to isocyanates (asthma or asthma-like symptoms) that may cause them to react to a later exposure to isocyanates at levels well below the exposure limits or guidelines. These symptoms, which include chest tightness, wheezing, cough, shortness of breath or asthmatic attack, could be immediate or delayed up to several hours after exposure. Extreme asthmatic reactions can be life threatening. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Sensitization can be permanent.

Prolonged contact with skin can cause reddening, swelling, rash, and, in some cases, skin sensitization. Animal tests and other research indicate that skin contact with isocyanates can play a role in causing isocyanate sensitization and respiratory reaction. This data reinforces the need to prevent direct skin contact with isocyanates.

Prolonged vapor contact with the eyes may cause conjunctivitis.
Delayed: Symptoms affecting the respiratory tract can also occur several hours after overexposure.

Toxicity Data

Calculated Acute Toxicity Estimates for the Product

<table>
<thead>
<tr>
<th>Route</th>
<th>Estimate</th>
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</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>&gt; 0.38 mg/L*</td>
</tr>
<tr>
<td>Oral</td>
<td>&gt; 4000 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

*ATE values are calculated based on test results on the individual components. In the inhalation tests on individual components, the test atmosphere generated in the animal study is not representative of workplace environments, and how it can reasonably be expected to be used in the workplace. Therefore the test result cannot be directly applied for the purpose of assessing hazard. Based on expert judgment and the weight of the evidence, a modified classification for acute inhalation toxicity is justified.

Toxicological data: See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>LC50 (4 hr)</th>
<th>LD50</th>
<th>LD50</th>
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<tr>
<td>Homopolymer of Hexamethylene Diisocyanate</td>
<td>28182-81-2</td>
<td>0.39</td>
<td>&gt; 5000</td>
<td>&gt; 2000</td>
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<tr>
<td>Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate</td>
<td>666723-27-9</td>
<td>0.39</td>
<td>&gt; 2000</td>
<td>&gt; 2000</td>
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<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>822-06-0</td>
<td>0.124</td>
<td>746</td>
<td>&gt; 7000</td>
</tr>
</tbody>
</table>

Repeated Dose Effects: Chronic overexposure to diisocyanates has been reported to cause lung damage (including fibrosis, decrease in lung function) that may be permanent.

Carcinogenic status: No components are listed as carcinogens by ACGIH, IARC, OSHA, NIOSH or NTP.

Reproductive effects: No Reproductive or Fertility effects observed in Reproduction/Developmental Toxicity Screening Test, Inhalative.

Teratogenicity: No Teratogenic effects observed in Reproduction/Developmental Toxicity Screening Test, Inhalative.

Germ Cell Mutagenicity: All mutagenicity tests on components of this product were negative.

Epidemiology: Not available.

Target Organ Effects: Isocyanates are known to cause respiratory irritation.

Sensitization to material: Contains isocyanates, which as a class, are known to cause both respiratory and skin sensitization reactions.

Synergistic materials: N/Av

Irritancy/Corrosivity: Irritating to the respiratory system. Slightly irritating to eyes and skin.

Other important hazards: See hazards listed in Section 2.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Data is based on the product.

Biodegradation: 2 %, Exposure time: 28 d, i.e. not readily degradable

Bioaccumulative potential: The substance hydrolyzes rapidly in water. An accumulation in aquatic organisms is not to be expected.

Mobility in soil: No data available.

PBT and vPvB assessment: No data available.

Ecotoxicity:
Acute and Prolonged Toxicity to Fish: LC50: 28.3 mg/l (Danio rerio (zebra fish), 96 h)
Acute Toxicity to Aquatic Invertebrates: EC50: > 100 mg/l (Daphnia magna (Water flea), 48 h)
Toxicity to Aquatic Plants: IC50: > 100 mg/l, (scenedesmus subspicatus, 72 h)
Toxicity to Microorganisms: EC50: > 10,000 mg/l, (activated sludge)
Other Adverse Effects: None reported.

SECTION 13 – DISPOSAL CONSIDERATION

Handling for disposal: Handle waste according to recommendations in Section 7.
Methods of disposal: Waste disposal should be in accordance with existing federal, state and local environmental control laws. Incineration is the preferred method.
Packaging: Handle contaminated packaging in the same manner as the product.
RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 – TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>Shipping Name</th>
<th>Class</th>
<th>Packing Group</th>
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<tbody>
<tr>
<td>TDG</td>
<td>UN 3082</td>
<td>Other regulated substances, liquid, n.o.s. (contains Hexamethylene-1,6-Diisocyanate)</td>
<td>9</td>
<td>III</td>
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<tr>
<td>TDG Additional Information</td>
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<td>When in individual containers of less than the Product RQ, this material ships as non-regulated.</td>
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<tr>
<td>49 CFR/DOT Additional Information</td>
<td>UN 3082</td>
<td>Other regulated substances, liquid, n.o.s. (contains Hexamethylene-1,6-Diisocyanate)</td>
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<td>III</td>
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<table>
<thead>
<tr>
<th>RSPA/DOT Regulated Components</th>
<th>Reportable Quantity (HDI)</th>
<th>Sea Transport (IMDG)</th>
<th>Air Transport (ICAO/IATA)</th>
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<td>Product</td>
<td>Non-Regulated</td>
<td>Non-Regulated</td>
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SECTION 15 – REGULATORY INFORMATION

Canadian Information:
This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR). This SDS contains all of the information required by the HPR.
Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on either the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

US Federal Information:
TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302):
822-06-0 Hexamethylene-1,6-Diisocyanate – 100 lbs (45.45 kg)
SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes:
- Immediate (Acute) Health Hazard
Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain Toxic Chemical constituents above de minimus concentrations.

U.S. State Right To Know Laws
California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and/or reproductive effects.

Other State Right to Know Laws:

<table>
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<tr>
<td>Hydrophilic Aliphatic Polyisocyanate based on</td>
<td>666723-27-9</td>
<td>No</td>
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<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>822-06-0</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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</tbody>
</table>

**SECTION 16 – OTHER INFORMATION**

**HMIS Rating**
- Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
  - Health: *2 Flammability 1 Physical Hazard 1
  - Recommended PPE: Gloves, safety glasses with side shields, vapor respirator

**NFPA Rating**
- 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe
  - Health: 2 Flammability 1 Reactivity 1 Special Hazards 0

**Legend**
- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- DOT: Department of Transportation
- DSL: Domestic Substances List
- EPA: Environmental Protection Agency
- GHS: Globally Harmonized System
- HPR: Hazardous Products Regulations
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- N/Av: Not Available
- N/Ap: Not Applicable
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TSCA: Toxic Substance Control Act
- TWA: Time Weighted Average
- WHMIS: Workplace Hazardous Materials Identification System

Disclaimer of Liability
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