



# SAFETY DATA SHEET AMBI-SEAL 5.0 Open Cell SPF System

# **SECTION 1: Identification**

| Product Name:        | AMBI-SEAL 5.0 Open Cell SPF System   |                    |
|----------------------|--|--------------------|
| Chemical Name:       | Polyurethane Resin<br>(B-COMPONENT)  |                    |
| Recommended Use:     | Component of a Spray-Applied Polyurethane System.  | <b>B COMPONENT</b> |
| Restrictions on Use: | By Approved Applicators.   |                    |
| Manufactured By:     | AMBIT Polyurethane<br>2925 Galleria Drive · Arlington, TX 76011<br>Phone: (817) 677-1200<br>Email: Info@AmbitPU.com · Website: www.AmbitPU.com |                    |
| Emergency Contact:   | rt: For Chemical Emergency (spill, leak, fire, exposure or incident) within the US or Canada call CHEMTREC (800) 424-9300.                     |                    |

## **SECTION 2: Hazards Identification**

#### GHS Classification (In accordance with 29 CFR 1910.1200)

| Skin Corrosion / Irritation      | Category 2  |
|----------------------------------|-------------|
| Eye Corrosion/Irritation         | Category 1  |
| Skin Sensitizer                  | Category 1B |
| Oral Toxicity                    | Category 4  |
| Reproductive Toxicity            | Category 1B |
| Specific Target Organ Toxicity - | Category 2  |
| Repeated Exposure (STOT-RE)      |             |

#### **GHS Label Elements**

Hazard Pictograms:



Signal Word:

Hazard Statements:

DANGER

H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction.. H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child. H373 May cause damage through repeated exposure if swallowed.

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| Precautionary Statements:         | <ul> <li>PREVENTION:</li> <li>P201 Obtain special instructions before use.</li> <li>P202 Do not handle until all safety precautions have been read and understood.</li> <li>P260 Do not breath dust/fume/gas/mist/vapors/spray.</li> <li>P264 Wash hands thoroughly after handling.</li> <li>P270 Do not eat, drink or smoke when using this product.</li> <li>P271 Contaminated work clothing should not be allowed out of the workplace</li> <li>P280 Wear eye or face protection</li> <li>P281 Wear personal protective equipment as required.</li> <li>RESPONSE:</li> <li>P301 + P312 If swallowed, Call a POISON CENTER or doctor if you feel unwell.</li> <li>P302 + P352 + P362 +P364 If on skin, wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.</li> <li>P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.</li> <li>P308 + P313 If exposed or concerned: Seek medical attention.</li> <li>P337 + P313 If skin irritation occurs: Seek medical attention.</li> <li>P337 + P313 If eye irritation persists: Seek medical attention.</li> <li>P308 + P313 If skin irritation persists: Seek medical attention.</li> <li>P307 + P313 If eye irritation persists: Seek medical attention.</li> <li>P308 + P313 If eye irritation persists: Seek medical attention.</li> <li>P308 + P313 If eye irritation persists: Seek medical attention.</li> <li>P308 + P313 If eye irritation persists: Seek medical attention.</li> <li>P308 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313 If eye irritation persists: Seek medical attention.</li> <li>P309 + P313</li></ul> |
|-----------------------------------|--|
| Hazards Not Otherwise Classified: | Physical Hazards Not Otherwise Classified (PHNOC)<br>None known.<br>Health Hazards Not Otherwise Classified (HHNOC)  |
|                                   | None known.  |

#### Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture

#### Hazardous Components

| Chemical Name                | CAS #        | Concentration (%) |
|------------------------------|--------------|-------------------|
| Polyether Polyol             | Trade Secret | 25-35             |
| Tris-Chloro Propyl Phosphate | 13674-84-5   | 15-40             |
| Surfactant 1                 | Trade Secret | 15-25             |
| Surfactant 2                 | Trade Secret | 2-5               |
| Amine Catalyst               | Trade Secret | 5-10              |
| Water                        | 7732-18-5    | 15-30             |

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

## Section 4: First-Aid Measures

General Advice:Move out of dangerous area. Do not leave the victim unattended. Consult a physician. Show this<br/>safety data sheet to the doctor in attendance.If Inhaled:If breathed in, move person into fresh air. Call a physician or poison control center immediately.<br/>Keep patient warm and at rest. Keep respiratory tract clear. If breathing is difficult, give oxygen. If<br/>breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery<br/>position and seek medical advice. Consult a physician immediately if symptoms such as shortness<br/>of breath or asthma are observed. Seek medical attention if adverse health effects persist.

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| In case of Skin Contact:                                    | In case of skin contact, immediately flush skin with soap and plenty of water for at least 20 minutes. Take of contaminated clothing and shoes immediately. Thoroughly clean shoes before reuse. Wash contaminated clothing before reuse. Call a physician if irritation develops or persists.  |
|---|---|
| In case of Eye Contact:                                     | Rinse immediately with plenty of water, also under the eyelids for at least 20 minutes. If easy to do, remove contact lens, if worn. Protect unharmed eye. Keep eye wide open while rinsing If eye irritation persists, consult a specialist.   |
| If Swallowed:   | Gently wipe or rinse the inside of the mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Keep respiratory tract clear. Keep at rest. If a person vomits when lying on his/her back, place him/her in the recovery position. Never give anything by mouth to an unconscious person. Take victim immediately to hospital. If symptoms persist, call a physician. |
| Most Important Symptoms and Effects, both Acute and Delayed | Prolonged exposure may cause chronic effects. Suspected of damaging the unborn child. May cause damage to organs (kidney) though prolonged or repeated exposure (oral). Causes skin irritation. May cause redness and pain. Causes severe eye damage. Symptoms may include stinging, treating, redness, swelling and blurred vision. Permanent eye damage including blindness could result.                             |
| Notes to Physician:   | Symptomatic and supportive therapy as needed. Following severe exposure medial follow-up should be monitored for at least 48 hours. The first-aid procedure should be established in consultation with the doctor responsible for industrial medicine.  |

# Section 5: Firefighting Measures

| Suitable Extinguishing Media:                     | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam, Carbon dioxide (CO <sub>2</sub> ), Dry powder. Water spray for large fires.   |
|---|---|
| Unsuitable Extinguishing Media:                   | Do not use water jet as an extinguisher as this will spread the fire.   |
| Specific Hazards During<br>Firefighting:          | Do not allow run-off from firefighting to enter drains or water courses.  |
| Hazardous Combustion Products:                    | Combustion products may include: carbon monoxide, carbon dioxide, nitrogen oxides, halogenated and phosphorus compounds, traces of ammonia, oxides of phosphorus, hydrogen chloride gas, aldehydes and ketones, low molecular weight organic products, tin oxides, noxious and toxic fumes. |
| Special Protective Equipment for<br>Firefighters: | Wear an approved positive pressure self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode and appropriate protective equipment (PPE).  |

# Section 6: Accidental Release Measures

| Personal Precautions, Protective<br>Equipment and Emergency<br>Procedures: | Immediately evacuate personnel to safe areas. Use personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Ensure adequate ventilation. Keep people away from the upwind of spill/leak. Only qualified personnel equipped with suitable protective equipment may intervene. For additional precautions and advice on safe handling, see Section 7. Never return spills in original containers for re-use. Make sure that there is a sufficient amount of neutralizing/absorbent material near the storage area. The danger areas must be delimited and identified using relevant warning and safety signs. Treat recovered material as described in the section "Disposal Considerations". For disposal considerations, see Section 13. |
|--|--|
| Environmental Precautions:   | Do not allow uncontrolled discharge of product into the environment. Do not allow material to contaminate ground water system. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be  |

AMBIT Polyurethane LLC 2925 Galleria Drive · Arlington, TX 76011 Phone: (817)677-1200 · Info@AmbitPU.com · www.AmbitPU.com contained. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and Materials for Containment and Cleaning up:

Clean-up methods – small spillage. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13). Clean contaminated surface thoroughly. Sweep up or vacuum up spillage and collect in suitable container for disposal. See Section 1 for Emergency Contact Information.

| Section 7: Handling and Storage                  |   |
|--|---|
| Technical Measures:                              | Ensure that eyewash stations and safety showers are close to the workstation location.  |
| Local/Total Ventilation:                         | Use only with adequate ventilation.   |
| Advice on Protection Against Fire and Explosion: | Normal measures for preventative fire protection.   |
| Advice on Safe Handling:                         | For personal protection see Section 8. Do not handle until all precautions have been read and<br>understood. Do not breath vapor/spray mist/dust. Do not swallow. Do not get in eyes or mouth or<br>on skin. Do not get on clothing. Smoking, eating and drinking should be prohibited in the<br>application area. Provide sufficient air exchange and/or exhaust in work rooms. Use only in areas<br>with adequate ventilation or wear appropriate respirator. Dispose of rinse water in accordance with<br>local, regional, national and international regulations. Keep container tightly closed when not in<br>use. Do not reuse containers. Empty containers with product residue. Can be hazardous. |
| Conditions for Safe Storage:                     | Keep container protected from direct sunlight, tightly closed in a dry and well-ventilated place. Keep away from incompatible materials (see Section 10), food and drink. Keep in properly labelled containers. Observe label precautions. Keep containers tightly closed and sealed until ready for use. Containers which are opened must be carefully resealed and kept upright to prevent leakage.   |
| Materials to Avoid:                              | Avoid contact with oxidizing materials, strong acids, strong bases and unintended contact with isocyanates.   |
| Recommended Storage<br>Temperature:              |   |
| Storage Life:                                    | 6 months (in unopened containers)   |
| Further Information on Storage Stability:        | Stable under recommended storage conditions.  |

## Section 8: Exposure Controls/Personal Protection

#### **Components with Workplace Control Parameters - UNITED STATES**

| Ingredient Name | CAS # | Value Type<br>(Form of<br>Exposure | Control Parameters/<br>Permissible Concentration | Basis |
|-----------------|-------|------------------------------------|--|-------|
|                 |       |                                    |  |       |
|                 |       |                                    |  |       |
|                 |       |                                    |  |       |
|                 |       |                                    |  |       |
|                 |       |                                    |  |       |
|                 |       |                                    |  |       |

# Appropriate Engineering Controls: If user of

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental legislation.

#### Personal Protective Equipment



## Respiratory Protection:

Use a properly fitted, air purifying or air-fed respirator complying with an approved standard If a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. In emergency, non-routine and unknown exposure situations, including confined space entries, a NIOSH-certified full-face piece pressure demand self-contained breathing apparatus (SCBA) or a full-face piece pressure demand supplied air respirator (SAR) with auxiliary self-contained air supply, should be used. Respirators should be used in accordance to a respiratory protection program to ensure proper fitting, training and other important aspects of use.



#### Hand Protection:

The suitability for a specific workplace should be discussed with the producers of the protective gloves. Protective gloves should be worn when handling freshly made polyurethane products to avoid contact with trace residual materials which may be hazardous in contact with skin. Use chemical resistant gloves classified under Standard EN374: protective gloves against chemicals and microorganisms. Examples of glove materials that might provide suitable protection include: butyl rubber, chlorinated polyethylene, polyethylene, ethyl vinyl alcohol copolymers, laminated ("EVAL", polychloroprene (neoprene\*), nitrile/butadiene rubber ("nitrile" or "NBR"), polyvinyl chloride ("PVD" or "vinyl"), fluoroelastomer (Viton\*). When prolonged or frequently repeated contact may occur, a glove with protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN374) is recommended. When only brief contact is expected, a glove with protection class of 3 or higher (breakthrough time greater than 240 minutes according to EN374) is recommended. Notice: The selection of a specific glove for a particular application and duration of use in a workplace should also consider all requisite workplace factors such as, but not limited to: other chemicals that may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as instructions/specifications provided by the glove supplier.

#### Eye Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Chemical splash goggles. Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded. Please follow all applicable local/national requirements when selecting protective measures for a specific workplace. Ensure that eyewash stations and safety showers are close to the work location.

#### Skin and Body Protection:

Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Recommended: Overall (preferably heavy cotton) or Tyvek-Pro Tech 'C', Tyvek Pro 'F' disposable coverall. Appropriate footwear should be selected based on the task being performed and the risks involved. Ensure that safety showers are close to the work location.



#### Protective Measures:

Personal protective equipment comprising of suitable protective gloves, safety goggles and protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Ensure that eye flushing systems and safety showers are located close to the work location.

#### Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, forearms and any exposed skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing contaminated clothing before reuse. Wash hands before breaks and immediately after handling the product and at the end of the workday. Ensure that the eyewash stations and safety showers are close to the work location.

# **Section 9: Physical and Chemical Properties**

| Appearance   | Liquid                                      |
|--|---|
| Color  | Clear                                       |
| Odor   | Mild Amine-like                             |
| Odor Threshold                                       | No data is available on the product itself. |
| рН   | No data is available on the product itself. |
| Freezing Point                                       | No data is available on the product itself. |
| Melting Point  | No data is available on the product itself. |
| Boiling Point  | No data is available on the product itself. |
| Flash Point  | >200°F / >93°C (Method: Closed Cup)         |
| Evaporation Rate                                     | No data is available on the product itself. |
| Flammability (Solid, Gas)                            | No data is available on the product itself. |
| Flammability (Liquids)                               | No data is available on the product itself. |
| Upper & Lower Explosion Limit                        | No data is available on the product itself. |
| Vapor Pressure                                       | No data is available on the product itself. |
| Relative Vapor Density                               | No data is available on the product itself. |
| Relative Density / Specific Gravity<br>@ 77°F (25°C) | 1.10  |
| Density  |   |
| Solubility in Water                                  | Soluble in water.                           |
| Partition coefficient: n-<br>octanol/water           | No data is available on the product itself. |
| Auto-Ignition Temperature                            | No data is available on the product itself. |
| Self-Accelerating Decomposition<br>Temperature       | No data is available on the product itself. |
| Viscosity, Dynamic (77°F/25°C)                       | No data is available on the product itself. |
| Explosive Properties                                 | No data is available on the product itself. |
| Oxidizing Properties                                 | No data is available on the product itself. |
| Particle Size  | No data is available on the product itself. |
|  |   |

## Section 10: Stability and Reactivity

| Reactivity:                            | The product is stable and non-reactive under normal conditions of use, storage and transport.               |
|--|---|
| Chemical Stability:                    | Stable under recommended storage conditions (See Section 7).  |
| Possibility of Hazardous<br>Reactions: | No known dangerous reactions will occur under normal storage and use.                                       |
| Conditions to Avoid:                   | Avoid exposure to moisture and high temperatures to protect product quality.                                |
| Incompatible Materials:                | Avoid contact with oxidizing materials, strong acids, strong bases and unintended contact with isocyanates. |
| Hazardous Decomposition<br>Products:   | Under recommended storage conditions and use, hazardous decomposition products should not be produced.      |

## Section 11: Toxicological Information

Information on Likely Routes of Exposure:

No data is available on the product itself.

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## Acute Toxicity:

| 2-Propanol, 1-chloro-, phosphate (3:1) |             |  |  |
|--|-------------|--|--|
| LD50 Oral (Rat)                        | 500mg/kg    |  |  |
| LD50 Dermal (Rabbit)                   | 1,230 mg/kg |  |  |
| LC50 Inhalation (Rat)                  | 5 mg/l      |  |  |

| Bis (2-dimethylaminoethyl) ether |           |  |
|----------------------------------|-----------|--|
| LD50 Oral (Rat)                  | 910 mg/kg |  |
| LD50 Dermal (Rabbit)             | 238 mg/kg |  |
| LC50 Inhalation (Rat)            | 117 ppm   |  |

| 2-Propanol, 1-chloro-, phosphate (3:1) |  |
|--|--|
| Species:                               |  |
| Exposure:                              |  |
| Result:                                |  |
|  |  |

| Bis (2-dimethylaminoethyl) ether |
|----------------------------------|
| Species:                         |
| Exposure:                        |
| Result:                          |

#### Skin Corrosion / Irritation:

| Ethanediol | 2,2 Oxibisethanol |
|------------|-------------------|
| Species:   | Species:          |
| Exposure:  | Exposure:         |
| Result:    | Result:           |

#### **Germ Cell Mutagenicity**

No data available.

#### Carcinogenicity

Product:

This product is not classified as a carcinogen. Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

| Product Name | OSHA | IARC | NTP | ACGIH | EPA | NIOSH |
|--------------|------|------|-----|-------|-----|-------|
|              |      |      |     |       |     |       |

## **Reproductive Toxicity**

Prolonged exposure may cause chronic effects. May damage fertility. May damage the unborn child.

### Specific Target Organ Toxicity (STOT)

Product: Single Exposure May cause drowsiness, dizziness, headache, nausea and/or vomiting. (STOT-SE):

| Ethanol, 2-[[2-(dimethylamino) ethyl] methylamino] |             |  |
|--|-------------|--|
| LD50 Oral (Rat)                                    | 2,000 mg/kg |  |
| LD50 Dermal (Rabbit)                               | 2,000 mg/kg |  |
| LC50 Inhalation (Rat)                              | 20 mg/l     |  |

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# Ethanol, 2-[[2-(dimethylamino) ethyl] methylamino]

Species: Exposure:

Result:

Product: Repeated Exposure May cause damage to organs (kidney) through prolonged or repeated exposure (oral). (STOT-RE):

| Product Name       |
|--------------------|
| Category:          |
| Route of Exposure: |
| Target Organ:      |

#### **Aspiration Toxicity**

Based on available data, this product is not expected to cause aspiration toxicity.

#### Likely Routes of Exposure

Eye contact, Inhalation, Dermal contact. Ingestion.

#### **Potential Acute Health Affects**

| Eye Contact: | Causes serious eye irritation.                               |
|--------------|--|
| Inhalation:  | No known significant effects or critical hazards.            |
| Skin Contact | Causes skin irritation. May cause an allergic skin reaction. |
| Ingestion:   | Harmful if swallowed. Consult a physician.                   |

## Section 12: Ecological Information

| Ecotoxicity             |   |
|-------------------------|---|
|                         |   |
| Ecotoxicity:            | This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.             |
| Acute Aquatic Toxicity: | This product is not classified as acutely environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.     |
| Chronic Toxicity:       | This product is not classified as having a chronic environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| Environmental Effects:  | This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful effect on the environment.                         |

| 2-Propanol, 1-chloro-, phosphate (3:1)<br>Species: Brachydanio Rerio<br>Exposure Time: 96 hours<br>Result: Acute LC50 56.2 mg/l (static) |
|--|
| Species: Pimephales Promelas<br>Exposure Time: 96 hours<br>Result: Acute LC50 98mg/I (static)  |
| Species: Poecilia Reticulata<br>Exposure Time: 96 hours<br>Result: Acute LC50 30 mg/l (static)   |
| Species: Daphnia Magna<br>Exposure Time: 48 hours<br>Result: EC50 63 mg/l  |

Species: Desmodesmus Subspicatus Exposure Time: 72 hours Result: EC50 45 mg/l

Species: Pseudokirchneriella Subcapitata Exposure Time: 96 hours Result: EC50 4 mg/l

#### Persistence and Degradability

Biodegradability – Product: This product contains substances which are not expected to be readily biodegradable.

| Biochemical Oxygen Demand (BOD):  | No data available. |
|-----------------------------------|--------------------|
| Chemical Oxygen Demand (COD):     | No data available. |
| BOD/COD:                          | No data available. |
| ThOD:                             | No data available. |
| Dissolved Organic Carbon (DOC):   | No data available. |
| Physico-Chemical<br>Removability: | No data available. |
| Stability in Water:               |                    |
| Photodegradation:                 | No data available. |

Impact on Sewage No data available. Treatment:

#### **Bioaccumlative Potential**

Bioaccumulation – Product: No data available.

| Product Name | BCF | LogPow | Potential |
|--------------|-----|--------|-----------|
|              |     |        |           |
|              |     |        |           |
|              |     |        |           |
|              |     |        |           |
|              |     |        |           |

#### Mobility in Soil

| Mobility:  | No data available. |
|--|--------------------|
| Distribution Among<br>Environmental<br>Compartments: | No data available. |
| Stability in Soil:                                   | No data available. |
|  |                    |

| Environmental Fate and Pathways:          | No data available. |  |
|---|--------------------|--|
| Results of PBT and vPvB<br>Assessment:    | No data available. |  |
| Endocrine Disrupting<br>Potential:        | No data available. |  |
| Adsorbed Organic Bound<br>Halogens (AOX): | No data available. |  |
| Hazardous to the Ozone Layer              |                    |  |
| Ozone-Depletion Potential:                | No data available. |  |
| Additional Ecological<br>Information:     | No data available. |  |
| Global Warming Potential<br>(GWP:         | No data available. |  |
| Section 13: Disposal Considerations       |                    |  |

| Disposal Methods        |  |
|-------------------------|--|
| Waste from Residues:    | Dispose of contents and container in accordance with all local, regional, national and international regulations. Avoid release to the environment. Do not dispose of waste in sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. |
| Contaminated Packaging: | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and   |

# Section 14: Transport Information

| International Regulations |                                   |
|---------------------------|-----------------------------------|
| IATA:                     | Not regulated as dangerous goods. |
| IMDG:                     | Not regulated as dangerous goods. |
| TDG:                      | Not regulated as dangerous goods. |
| National Regulations      |                                   |
| DOT Non-Bulk:             | Not regulated as dangerous goods. |
| DOT Bulk:                 | Not regulated as dangerous goods. |

international regulations. Do not cut, grind, drill, weld or re-use empty containers.

## **Special Precautions for User**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet (SDS). Transportation classifications may vary by mode of transportation, package sizes and variations in regional or country regulation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

# Section 15: Regulatory Information

### **US Federal Regulations:**

#### **CERCLA Reportable Quantity:**

| Component(s) | CAS# | % | Acute Health<br>Hazard<br>(Immediate) | Delayed<br>Health<br>Hazard<br>(Chronic) | Fire Hazard | Sudden<br>Release of<br>Pressure | Reactive |
|--------------|------|---|---------------------------------------|--|-------------|----------------------------------|----------|
|              |      |   |                                       |  |             |                                  |          |
|              |      |   |                                       |  |             |                                  |          |
|              |      |   |                                       |  |             |                                  |          |
|              |      |   |                                       |  |             |                                  |          |
|              |      |   |                                       |  |             |                                  |          |
|              |      |   |                                       |  |             |                                  |          |

U.S. Toxic Substances Control Act (TSCA) Section 8(b):

SARA 311/312:

All components are listed or exempt.

Acute health hazard, chronic health hazard.

## **International Regulations:**

Canada:

WHMIS: Class D-2B Material causing other toxic effects (toxic)
CEPA (DSL): All components are listed or exempted.
Canadian NPRI: Ethanediol
CEPA Toxic Substances: None of the components are listed.
Canada Inventory: All components are listed or exempted.

# Section 16: Other Information

#### **Further Information**

NFPA Ratings (Scale 0-4)



#### Abbreviations:

| DOT<br>IATA | U.S. Department of Transportation<br>International Air Transport Association |
|-------------|--|
| ACGIH       | American Conference of Governmental Industrial Hygienists                    |
| NTP         | National Toxicology Program  |
| IARC        | International Agency for Research on Cancer                                  |
| PPE         | Personal Protective Equipment  |
| OSHA        | U.S. Occupational Safety & Health Administration                             |
| SARA        | Superfund Amendments and Reauthorization Act                                 |
| WHMIS       | Workplace Hazardous Materials Information System                             |
| TSCA        | US Toxic Substances Control Act  |
| CEPA        | Canadian Environmental Protection Act  |

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# HMIS® IV Ratings (Scale 0-4)

| HEALTH          | 2 |
|-----------------|---|
| FLAMABILITY     | 1 |
| PHYSICAL HAZARD | 0 |

Health 2 Flammability 1 Instability 0

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| DSL  | Canada Domestic Substance List            |
|------|---|
| NPRI | National Pollutant Release Inventory      |
| NFPA | National Fire Protection Association      |
| HMIS | Hazardous Materials Identification System |

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Prepared By: AMBIT Polyurethane LLC

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