SAFETY DATA SHEET – SUPERPLASTICIZER

SECTION 1. IDENTIFICATION

Product Identifier          Superplasticizer
Other Means of Identification Water-reducing admixture
Recommended Use            Professional use only
Restrictions on Use         None known
Supplier Identifier         Multiurethanes Ltd.
                           5245 Creekbank Rd
                           Mississauga, ON L4W 1N3
                           Canada
Emergency Telephone Number  1-800-663-6633

SECTION 2. HAZARD IDENTIFICATION

Classification             Not classified; no labelling requirements are necessary for this substance however, elements have been added as general safety precautions.

Label Elements

Hazard Pictogram

Signal Word               WARNING
Hazard Statement          May cause skin/eye irritation.
Precautionary Statements
Prevention
Wear appropriate protective equipment.
Wash hands and exposed skin after handling.

Response
IF ON SKIN: Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if concerned.
SAFETY DATA SHEET – SUPERPLASTICIZER

IF IN EYES: Rinse immediately with plenty of water. Seek medical attention if concerned.
IF INHALED: Remove person to fresh air. Seek medical attention if concerned.

Storage
Store in a well-ventilated place. Keep container tightly closed. Keep away from incompatibles.

Disposal
Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

Other Hazards
None

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration (% by weight)</th>
<th>Common Names / Synonyms</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Notes
The components are not hazardous or are below required disclosure limits.

SECTION 4. FIRST-AID MEASURES

Inhalation
Remove person to fresh air. Seek medical attention if concerned.

Skin Contact
Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if concerned.

Eye Contact
Rinse immediately with plenty of water. Seek medical attention if concerned.

Ingestion
Rinse mouth thoroughly. Seek medical attention if concerned.

Most Important Symptoms and Effects, Acute and Delayed
May cause skin and eye irritation.
SAFETY DATA SHEET – SUPERPLASTICIZER

Indication of Immediate Medical Attention and Special Treatment Needed
Treat symptomatically. If exposed or concerned, seek medical advice and attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media
Use media suitable to the surrounding fire.

Unsuitable Extinguishing Media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Product
During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Do not get in eyes or on skin. Do not breathe fume/mist/vapours. Use appropriate personal protective equipment.

Methods and Material for Containment and Cleaning Up
Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures
Not available

Environmental Precautions
Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling
Good housekeeping is needed during storage, transfer, handling, and use of this material. Handle in accordance with
good industrial hygiene and safety procedures. Always wash hands immediately after handling this product.

**Conditions for Safe Storage (including incompatibilities)**

Store away from incompatible materials (strong acids, strong bases). Store in original tightly closed container.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### Control Parameters – Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Notes**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls**

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapours and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Individual Protection Measures**

- **Eye/Face Protection**
  
  Wear safety glasses with side shields or chemical goggles as appropriate to prevent eye contact.

- **Skin Protection**

  Wear suitable protective gloves to prevent skin contact.

- **Respiratory Protection**

  If ventilation is inadequate, wear suitable respirator.

- **Hygiene Measures**

  Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Brown liquid

**Odour**

Mild

**Odour Threshold**

Not available

**pH**

Not available
## SAFETY DATA SHEET – SUPERPLASTICIZER

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point / Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate (BuAe = 1)</td>
<td>Slower than Ether</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No</td>
</tr>
<tr>
<td>Upper/Lower Flammability or Explosive Limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density (air = 1)</td>
<td>Vapours are heavier than air and may travel along the floor and in the bottom of containers.</td>
</tr>
<tr>
<td>Relative Density (water = 1)</td>
<td>1.21</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Solubility (other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient, \text{n-octanol} / water (logKow)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### SECTION 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Not available</td>
</tr>
<tr>
<td>Chemical Stability</td>
<td>Stable under recommended handling and storage conditions (refer to section 7).</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>Not available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET – SUPERPLASTICIZER

Conditions to Avoid
Avoid heat or contamination.

Incompatible Materials
Strong acids, strong bases.

Hazardous Decomposition Products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Likely Route</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Yes</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Yes</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Yes</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure

- **Inhalation**: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

- **Skin Contact**: Moderately irritating to skin with prolonged exposure

- **Eye Contact**: Eye contact is possible and should be avoided.

- **Ingestion**: May be ingested by accident. Ingestion may cause irritation and malaise.

Potential Chronic Health Effects: Not available

Acute Toxicity: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation: Not available

Serious Eye Damage/Irritation: Not available

Specific Target Organ Toxicity - Single Exposure: Not available
Specific Target Organ Toxicity - Repeated Exposure: Not available

Aspiration Hazard: Not available

Respiratory and/or Skin Sensitization: Not available

Reproductive Toxicity: Not available

Germ Cell Mutagenicity: Not available

Carcinogenicity: Not available

Toxicological data: Not available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available

Other Adverse Effects: Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of material in accordance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.
SAFETY DATA SHEET – SUPERPLASTICIZER

SECTION 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Regulation</th>
<th>UN No.</th>
<th>Proper Shipping Name</th>
<th>Technical Name (for N.O.S. entry)</th>
<th>Transport Hazard Class(es)</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>None</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>49 CFR/DOT</td>
<td>None</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IMDG</td>
<td>None</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>ICAO/IATA</td>
<td>None</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

Special Precautions: Not available

Environmental Hazards: Refer to section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available

SECTION 15. REGULATORY INFORMATION

Canadian Information

- **WHMIS**: Refer to section 2.

- **CEPA**: All components in this product are listed on or exempt from the DSL/NDSL Inventories.

US Information

- **TSCA Inventory**: All components in this product are exempt from the Inventory.

- **State Regulations**: Sodium sulfate
  - Massachusetts – Right to Know – Substance List
  - Pennsylvania – Right to Know – Hazardous Substances

International Information: Not available

SECTION 16. OTHER INFORMATION

Date of Latest Revision: August 28, 2018

Disclaimer: The information provided in this document is correct to the best of our knowledge, information and belief at the date of its publication. This information is offered solely for the consideration of the user, subject to their own investigation of
compliance with applicable regulations, including the safe use of the product under every foreseeable condition. This information is designed only as a general guidance and is not to be considered a warranty or quality specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified above.

END OF SAFETY DATA SHEET