MATERIAL SAFETY DATA SHEET – SUPERPLASTICIZER

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Information
Product Name: Superplasticizer
Chemical Family: Polymeric Dispersant
Application: Dispersant for Cement Grout
Supplier: Multiurethanes Ltd.
5245 Creekbank Road, Mississauga, ON L4W 1N3
Telephone: 905-564-7650
Fax: 905-564-7998
Emergency Contact: 1-800-663-6633

MSDS Preparation Information
Revision Date: July 6, 2017
Prepared By: Multiurethanes Ltd, Mississauga, ON L4W 1N3
Telephone: 905-564-7650

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salt of Naphthalenesulfonate</td>
<td>37293-74-6</td>
<td>&lt;50%</td>
</tr>
</tbody>
</table>

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview Ingredient
Brown liquid; slight odour; non-hazardous

Potential Health Effects
Eye Contact: Mild irritation
Skin Contact: Mild irritation
Inhalation (acute): Mild irritation
Inhalation (chronic): Not determined
Ingestion: Irritation
SECTION 4: FIRST AID MEASURES

Eye Contact: Flush with water; if irritation occurs, seek medical attention
Skin Contact: Wash with soap and water; if irritation occurs, seek medical attention
Inhalation: Move to fresh air; if difficult breathing occurs, seek medical attention
Ingestion: Seek medical attention; do not induce vomiting

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: Not determined
Extinguishing Media: Dry chemical; carbon dioxide; foam; water spray
Special Fire Fighting Instructions: Wear full protective equipment, including SCBA

SECTION 6: ACCIDENTAL RELEASE MEASURES

General: Use conventional absorbents
Waste Disposal: Dispose according to local regulations

SECTION 7: HANDLING AND STORAGE

Storage: Store in a dry location
Handling: Handle with care

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Not required for typical applications

Personal Protective Equipment (PPE)
Eye/Face Protection: Safety glasses with side shields; emergency eye-wash kits readily available
Skin Protection: Impermeable gloves, shoes, and apron; protective clothing with long sleeves and long pants
Respiratory Protection: Not required for typical applications
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Appearance: Brown liquid
Colour: Brown
Odour: Light
Boiling Point: 100ºC
Melting/Freezing Point: Below 0ºC
Solubility in Water: Soluble
Specific Gravity: 1.2025
Bulk Density: 1.2025 g/ml
% Volatiles by Volume: 57 %
pH: 8-10
Vapour Pressure: Not determined
Vapour Density: Heavier than air

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibles: Avoid contact with strong acids, strong alkalis
Decomposition Product: Burning may produce carbon monoxide and carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity
Oral LD50: Not determined
Dermal LD50: Not determined
Inhalation LC50: Not determined
Eye Effects: Irritation
Skin Effects: Irritation
Sensitization: Not determined
Chronic toxicity: Not determined
Carcinogenicity: Not determined
Mutagenicity: Not determined

SECTION 12: ECOLOGICAL INFORMATION

Avoid environmental contamination.
SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

SECTION 14: TRANSPORTATION AND SHIPPING INFORMATION

Not regulated

SECTION 15: REGULATORY INFORMATION

OSHA status: Irritant
TSCA status: Components are listed on TSCA Inventory
CERCLA reportable quantity: Not applicable for typical product application
SARA Title III Section 302: Extremely hazardous substances - no known reportable constituents
SARA Title III Section 311/312: Hazard categories - acute health hazard; chronic health hazard
SARA Title III Section 313: Toxic Chemical Release Reporting - not applicable
RCRA status: It is the responsibility of the product user to determine, at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

SECTION 16: OTHER INFORMATION

WHMIS (Workplace Hazardous Material Identification System) Rating:

Class D2 - Toxic Material

NFPA (National Fire Protection Agency) Rating:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

NAERG (North American Emergency Response Guide) Rating:

154

End of MSDS