

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

Mixture

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (% by weight)</u>	<u>Common Names / Synonyms</u>	<u>Other Identifiers</u>
Not available	Not available	Not available	Not available	Not available

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

SAFETY DATA SHEET – SUPERPLASTICIZER

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

<u>Chemical Name</u>	<u>Type</u>	<u>Exposure Limit Values</u>	<u>Source</u>
Not available	Not available	Not available	Not available

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

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

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not available
Chemical Stability	Stable under recommended handling and storage conditions (refer to section 7).
Possibility of Hazardous Reactions	Not available

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

<u>Inhalation</u>	Yes
<u>Skin Contact</u>	Yes
<u>Eye Contact</u>	Yes
<u>Ingestion</u>	Yes

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

SAFETY DATA SHEET – SUPERPLASTICIZER

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.
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SAFETY DATA SHEET – SUPERPLASTICIZER

SECTION 14. TRANSPORT INFORMATION

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

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

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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

SAFETY DATA SHEET – SUPERPLASTICIZER

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