

Safety Data Sheet

according to WHMIS 2015

Effective date: 17/06/26

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Biodegradable Softener D

SECTION 1: Identification

Product name: Biodegradable Softener D

Other means of identification: Liquid laundry softener

Recommended use and restrictions on use: Fabric softening in laundry applications.


Supplier Details:

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Emergency telephone number: Call CANUTEC's 24-hr Number 613-996-6666

SECTION 2: Hazard Identification

Classification of the substance or mixture:

 <p>Flame</p>	<ul style="list-style-type: none">• Flammable liquids (Category 3)
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Signal word: Warning

Hazard statements: Flammable liquid and vapour

Precautionary statements:

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water/shower.

Store in a well-ventilated place. Keep cool

Dispose of contents/container in accordance with the local/provincial regulations.

Other hazards which do not result in classification: No information available.

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SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS No.	Concentration (% wt/wt)
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty acids, methyl sulfates (salts)	157905-74-3	10 – 20%
Ethanol	64-17-5	< 3%

SECTION 4: First Aid Measures

Description of first aid measures:

After inhalation: Remove individual from site of exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

After skin contact: Wash affected area with soap and water. Launder clothing before reuse.

After eye contact: Immediately flush with large amounts of water for at least 15 minutes or more. Lifting upper and lower lids intermittently. See a physician or ophthalmologist and show this data sheet.

After swallowing: Thoroughly clean the mouth with water. Call for medical advice immediately; show this safety data sheet

Most important symptoms and effects, both acute and delayed: The following symptoms may occur: - gastrointestinal complaints. Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness.

Indication of any immediate medical attention and special treatment needed: No information available.

SECTION 5: Firefighting Measures

Extinguishing media

Suitable extinguishing agents: Dry chemical, water fog, alcohol foam.

For safety reasons, unsuitable extinguishing agents: Full water jet.

Special hazards arising from the substance or mixture: Burning can produce major amounts of carbon monoxide, carbon dioxide, sulfur dioxide, and nitrogen oxide.

Advice for firefighters:

Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Additional information (precautions): Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid.

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SECTION 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: See section 8.

Methods and material for containment and cleaning up: Pick-up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.

SECTION 7: Handling and Storage

Precautions for safe handling: When working with the product vapors/aerosols may be evolved; therefore, a local exhaust and ventilation are recommended. No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Avoid Skin and Eye Contact. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not inhale gases/vapours/aerosols.

Conditions for safe storage, including any incompatibilities: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other ignition sources at locations distant from material handling point. Never use cutting or welding torch on or near drum (even empty); product (or even residue) can ignite explosively. Care should be taken to avoid static discharge when transferring liquid to and from nonconductive containers. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches, unless adequate grounding is first established. Keep away from heat, sparks, and open flames. Based on the product flash point and vapor pressure, suitable storage should be provided in accordance with OSHA, 29 CFR 1910.106. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture, or weld on or near container. All label warnings must be observed until the container has been cleaned or reconditioned. Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible, use mechanical means to move large and/or heavy objects to help prevent back injuries.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters:

Ingredients	CAS	PEL	TWA PEL	TWA	STEL
Ethanol	64-17-5	1000 ppm 1900 mg/m ³	1000 ppm 1900 mg/m ³	1000 ppm 1900 mg/m ³	1000 ppm

Appropriate Engineering controls: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Respiratory protection: A NIOSH/MSHA approved respirator with organic vapor canister or self-contained breathing apparatus is recommended if there is insufficient ventilation to maintain exposures below the PEL and/or level of comfort.

Protection of skin: Wear protective gloves such as: Neoprene or Buna-N. Light protective clothing and protective ointment is recommended.

Eye protection: Chemical splash proof goggles.

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General hygienic measures: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

SECTION 9: Physical and Chemical Properties

Appearance:	White liquid	Vapor pressure:	No information available
Odor:	No fragrance	Vapor density:	No information available
Odor threshold:	No information available	Relative density/Specific gravity:	1.01
pH - value:	2.5 – 4	Solubility:	Soluble in water
Melting/Freezing point:	No information available	Partition coefficient (n-octanol / water):	No information available
Boiling point/Boiling range:	No information available	Auto/Self-ignition temperature:	No information available
Flash point:	56.5 °C ASTM D93-16a	Decomposition temperature:	No information available
Evaporation rate:	No information available	Viscosity:	10 – 100 cps
Flammability:	No information available	Molecular formula:	Not applicable
Flammable limit lower: Flammable limit upper:	No information available	Molecular weight:	Not applicable

SECTION 10: Stability and Reactivity

Reactivity: See section "Possibility of hazardous reactions"

Chemical stability: The product is stable under normal conditions.

Possible hazardous reactions: Evolution of explosive gases/vapours.

Conditions to avoid: Avoid heat, flame and contact with strong oxidizing agents.

Incompatible materials: Unknown.

Hazardous decomposition products: None with proper storage and handling.

SECTION 11: Toxicological Information

Ingredients	CAS	LC ₅₀ (Inhalation)	LD ₅₀ (Oral)	LD ₅₀ (Dermal)
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty acids, methyl sulfates (salts)	157905-74-3	Not available	840 mg/kg, rat	Not available
Ethanol	64-17-5	31623 ppm, rat 4 hrs	3450 mg/kg, mouse	Not available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available.

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Mutagenicity: No data available.

STOT – Single Exposure: No data available.

STOT – Repeated Exposure: No data available.

SECTION 12: Ecological Information

No information available.

SECTION 13: Disposal Considerations

Waste disposal recommendations: Dispose in accordance with all applicable federal, state, provincial and local regulations. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport Information

UN Number: UN 1170

UN proper shipping name: ETHANOL SOLUTION

Transport hazard class(es): 3

Packing group: III

Environmental hazard: Not applicable

Transport in bulk, if applicable: Not applicable

Special precautions: Not applicable

SECTION 15: Regulatory Information

No information available.

SECTION 16: Other Information

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Abbreviations and acronyms:

ASTM: American Society for Testing and Materials

CAS: Chemical Abstracts Service

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IARC: International Agency for Research on Cancer

MSHA: Mine Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short-term Exposure limit

TWA: Time-Weighted Average

Effective date: 17/06/26

Last updated: 17/11/21