

SAFETY DATA SHEET

SDS NUMBER: 1000642856-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 08/10/15

MIZER® REG. 2002060A

SUPERSEDES: 04/09/12

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAY OR NIGHT 1-800-561-8273 or
CHEMTREC – DAY OR NIGHT 1 800-424-9300**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**1.1 PRODUCT IDENTIFIER:****TRADE NAME:** MIZER®**1.2 RECOMMENDED USE:** SOIL SURFACTANT – TURF WETTING AGENT**1.3 SUPPLIER DETAILS:**

LOVELAND PRODUCTS CANADA, INC.

789 Donnybrook Drive • Dorchester, Ontario N0L 1G5

1.4 24 Hour Emergency Phone: 1-800-561-8273 - **Additional Emergency Phone (Canutec):** 1-613-996-6666 (Collect)**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Not classified

2.2 Label elements

None

Signal word: NONE

Hazard Statements:

Precautionary

Statements:

P102 – Keep out of reach of children.

P103 – Read label before use.

P233 – Keep container tightly closed.

P234 – Keep only in original container.

P260 – Do not breathe dust / fume / gas / mist / vapours / spray.

P264 – Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P281 - Use personal protective equipment as required.

(Prevention):

Precautionary

Statement:

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P331 – Do not induce vomiting.

P302+P352 – IF ON SKIN: Wash with plenty of water for 15 to 20 minutes

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Precautionary

Statement:

(Storage):

(Disposal):

P405 – Store locked up.

P501 – Dispose of contents in container at an approved waste disposal facility in accordance with all local/provincial/national regulations.

2.3 Other hazards

None known

Potential Health effects**Routes of exposure**

Eye contact, skin contact, inhalation.

Eyes

May cause eye irritation.

Skin

May be irritating to skin.

Inhalation

Exposure to an excessive concentration of vapours, mist, fumes or aerosols may cause respiratory tract discomfort and/or mild irritation.

Ingestion

May be fatal if swallowed.

Target organs

Skin. Eyes. Inhalation.

Signs and symptoms

May cause irritation to the skin and respiratory system.

Potential environmental effects

This product is not expected to be harmful to aquatic life. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

SAFETY DATA SHEET

SDS NUMBER: 1000642856-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 08/10/15

MIZER® REG. 2002060A

SUPERSEDES: 04/09/12

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name:	CAS No.	Classification	Concentration
			[%]
Alkoxy alkylene oxides	9003-11-16	Not hazardous	60
Other non-hazardous proprietary ingredients			40

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

Eye contact:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
Skin contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
Ingestion:	Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms : Risk of eye irritation. May cause skin irritation. Irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

4.3 Immediate Medical Attention and Special Treatment

Treatment : Treat symptomatically. Symptoms may be delayed.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273

Take container, label or product name with you when seeking medical attention.

NOTES TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use foam, dry chemical, or carbon dioxide extinguishing media.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, thermal decomposition products may release toxic and/or hazardous fumes and gases including oxides of carbon.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use alcohol-type or universal-type foam on larger fires. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

SAFETY DATA SHEET

SDS NUMBER: 1000642856-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 08/10/15

MIZER® REG. 2002060A

SUPERSEDES: 04/09/12

6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Personal Precautions: Avoid inhalation of vapours, fumes, and spray mist and prolonged or repeated contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers, or watercourses.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to Remove residual contamination.
Never return spills to original containers for re-use.

7. HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING:**

Advice on Safe Handling: Avoid inhalation of vapours / spray mist or fumes and contact with eyes, skin and clothing. Do not breathe mist or vapour. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking. Eye wash and safety shower on site are recommended.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store locked up. Store at ambient temperatures. Keep from freezing. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 CONTROL PARAMETERS:****OCCUPATIONAL EXPOSURE LIMITS****ACGIH TLVs TWA**

Components	Type	Value
No data		

OSHA PELs TWA

No data

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Specimen
No data		

8.2 EXPOSURE CONTROLS:**Engineering Measures**

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapours and spray mists. Provide eyewash station and safety shower.

Individual Protection Measures:

Eye / Face Protection: Chemical goggles or face shield are recommended.

Skin Protection: Chemical resistant clothing is recommended. Routinely wash work clothing and protective equipment to remove contaminants. The use of neoprene gloves is recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. Wear respiratory protection during operations where spraying or misting occurs. Wear air supplied respiratory protection. In the U.S.A., if respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

SAFETY DATA SHEET

SDS NUMBER: 1000642856-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 08/10/15

MIZER® REG. 2002060A

SUPERSEDES: 04/09/12

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE :	Liquid
ODOUR:	Slight.
ODOUR THRESHOLD:	Not determined.
COLOUR :	Colorless.
pH :	7±1
MELTING POINT / FREEZING POINT:	No data available
BOILING POINT:	No data available
FLASH POINT:	Does not flash
FLAMMABILITY (solid, gas):	No data available
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available
VAPOUR PRESSURE:	No data available
SOLUBILITY:	Soluble
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	No data available
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available.
VISCOSITY :	No data available
SPECIFIC GRAVITY (Water = 1):	1.02 g/ml
BULK DENSITY:	1.02 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

Temperature extremes.

10.5 INCOMPATIBLE MATERIALS

Strong oxidising agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may include and are not limited to: oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Eye contact, skin contact, inhalation.

LC₅₀ (rat): No data available

LD₅₀ Oral (rat): No data available

LD₅₀ Dermal (rabbit): No data available

Skin Irritation (rabbit): No data available

Eye Irritation (rabbit): No data available

Specific Target Organ Toxicity: No data available

Aspiration: No data available

Skin Sensitization (guinea pig): No data available

Carcinogenicity: No data available

Germ Cell Mutagenicity: No data available

Interactive Effects: None known

SAFETY DATA SHEET

SDS NUMBER: 1000642856-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 08/10/15

MIZER® REG. 2002060A

SUPERSEDES: 04/09/12

12. ECOLOGICAL INFORMATION**12.1 ECOTOXICITY**

No data available

Ecotoxicological Data**Components****Species****Test Results**

No data available

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: Readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Unlikely to occur

12.4 MOBILITY IN SOIL

No data available

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13. DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

Do not reuse containers for any purpose. Container is recyclable, and is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Triple or pressure-rinse the empty container, adding the rinsate to the spray tank. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION**14.1 LAND TRANSPORT**

TDG/DOT Shipping Description: NOT REGULATED

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)

15. REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS****NFPA & HMIS Hazard Ratings:****NFPA****HMIS**

1 Health

0 Least

1 Health

0 Flammability

1 Slight

0 Flammability

0 Instability

2 Moderate

0 Reactivity

3 High

B PPE

4 Severe

CEPA – Domestic Substances List (DSL): All substances in this product are listed on the DSL or not required to be listed**Hazardous Products Act Information: CPR Compliance:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.**WHMIS Classification:** This product is exempt under WHMIS**National Fire Code of Canada:** Not applicable.

SAFETY DATA SHEET

SDS NUMBER: 1000642856-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 08/10/15

MIZER® REG. 2002060A

SUPERSEDES: 04/09/12

16. OTHER INFORMATION

SDS STATUS: Format revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

REGISTRATION NUMBER: 2002060A FERTILIZERS ACT

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS CANADA, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.