



# SAFETY DATA SHEET

**E-Z MIX**

SDS NUMBER: 1000264629-19-LPI

SDS REVISIONS: SEC. 1

DATE OF ISSUE: 02/08/19

SUPERSEDES: 09/01/17

**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:** E-Z- MIX

**1.2 RECOMMENDED USE:** COMPATIBILITY AGENT FOR LIQUID FERTILIZER AND PESTICIDE MIXTURES

### 1.3 MANUFACTURED FOR AND DISTRIBUTED BY:

LOVELAND PRODUCTS CANADA, INC.

789 DONNYBROOK DRIVE • DORCHESTER, ONTARIO N0L 1G5

**1.4 24 Hour Emergency Phone: (Chemtrec):** 1-800-424-9300 (Toll Free) - **Additional Emergency Phone** 1-800-561-8273

**Loveland Technical Service:** 1-800-328-4678

**U.S. Coast Guard National Response Center:** 1-800-424-8802

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Combustible Liquid	Category 4	H227
Eye Damage/Irritation	Category 2B	H320

### 2.2 Label elements

None

Signal Word: WARNING

Hazard Statements: H227 – Combustible liquid.  
H320 – Causes eye irritation.  
H303 – May be harmful if swallowed.

Precautionary

Statements: P210 – Keep away from flames and hot surfaces – No smoking.  
(Prevention): P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary

Statement: (Response): P370+P378 – In case of fire: Use dry chemical, carbon dioxide, alcohol foam, foam water spray or fog to extinguish.  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 – If eye irritation persists: Get medical advice/attention.  
P331 – Do not induce vomiting.  
P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary

Statement: (Storage): P403+P235 – Store in a well-ventilated place. Keep cool.

Precautionary

Statement: (Disposal): 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



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### 3. COMPOSITION, INFORMATION ON INGREDIENTS

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#### 3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Esters of alkyl polyoxyethylene ethers n-Butanol	Mixture 71-36-3	65.00 15.00
Other ingredients	Mixture	Balance

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### 4. FIRST AID MEASURES

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#### 4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

**If in eyes:** Flush with water for 15 minutes, then get medical attention.  
**If on skin:** Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation persists.  
**If swallowed:** Call a physician immediately.  
**If inhaled:** Remove to fresh air, apply artificial respiration if necessary.

#### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms : May be harmful if swallowed. Causes eye irritation. May cause skin irritation.

#### 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.

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### 5. FIRE FIGHTING MEASURES

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#### 5.1 EXTINGUISHING MEDIA:

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

#### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: Combustible liquid. During a fire, may form flammable/explosive vapour-air mixture. Combustion products may include and are not limited to: oxides of carbon, oxides of nitrogen and oxides of phosphorous.

#### 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.

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### 6. ACCIDENTAL RELEASE MEASURES

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#### 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.



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**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 in a cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. 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
Phosphoric Acid	TWA	1 mg/m <sup>3</sup>
n-Butanol	TWA	61 mg/m <sup>3</sup>

**OSHA PELs TWA**

Phosphoric Acid	TWA	1 mg/m <sup>3</sup>
n-Butanol	TWA	300 mg/m <sup>3</sup>

**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 vapors and spray mists. Provide eyewash station and safety shower.

**Individual Protection Measures:**

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

Skin Protection: Wear protective gloves / protective clothing.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. 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.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE :	Liquid
ODOUR:	Mild acidic.
ODOUR THRESHOLD:	Not determined.
COLOUR :	Colourless to pale yellow.
pH :	2.6 – 2.9 (1% solution)
MELTING POINT / FREEZING POINT:	No data available
BOILING POINT:	No data available
FLASH POINT:	48 °C (120 °F)
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:	Not determined
VISCOSITY :	No data available
SPECIFIC GRAVITY (Water = 1):	1.05 – 1.06 g/ml
DENSITY:	1.05 – 1.06 kg/L   8.76 – 8.84 lbs/gal

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  
Oxidizing conditions.
- 10.5 INCOMPATIBLE MATERIALS  
Strong oxidizing agents.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS  
No data available.

### 11. TOXICOLOGICAL INFORMATION

- 11.1 LIKELY ROUTES OF EXPOSURE  
Eye contact, skin contact, inhalation.  
**LC<sub>50</sub> (rat):** No data available.  
**LD<sub>50</sub> Oral (rat):** No data available.  
**LD<sub>50</sub> Dermal (rabbit)** No data available.  
**Skin Irritation (rabbit):** May cause skin irritation.  
**Eye Irritation (rabbit):** Causes eye irritation.  
**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.



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## 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 favour drift from target area.

### 12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available

### 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available

### 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

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:** 119 GALLONS or less: NOT REGULATED

**TDG/DOT Shipping Description:** GREATER THAN 119 GALLONS: UN1993, FLAMMABLE LIQUIDS, N.O.S. (BUTANOL), 3, III  
ERG GUIDE 128

**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

2 Health

0 Least

2 Health

2 Flammability

1 Slight

2 Flammability

0 Instability

2 Moderate

0 Reactivity

3 High

B PPE

4 Severe



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**SARA Hazard Notification/Reporting**

**SARA Title III Hazard Category:**

Immediate Y  
Delayed N

Fire Y  
Reactive N

Sudden Release of Pressure N

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed.

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

**CA Proposition 65:** Not applicable.

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## 16. OTHER INFORMATION

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**SDS STATUS:** Section 1 revised

**PREPARED BY:** Product Stewardship and Regulatory Affairs

**REVIEWED BY:** Safety, Health and Environment

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