

MATERIAL SAFETY DATA SHEET

E-Z MIX

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Loveland Products, Inc.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-301-7976
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: E-Z MIX
CHEMICAL NAME: Esters of Alkyl Polyoxyethylene Ethers
CHEMICAL FAMILY: Compatibility Agent
CALIF. REG. NO.: 36208-50006
MSDS Number: EZM-04b-LPI

MSDS Revisions: See section 16
Date Of Issue: 07/08/04
Supersedes: 04/12/04

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Causes eye irritation

This product is a yellow to light brown liquid with alcohol odor. Primary routes of entry are Inhalation, eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
n-Butyl Alcohol (n-Butanol)	15.00	71-36-3	61 mg/m ³
Nonylphenol Ethoxylate Phosphate	63.00	51811-79-1	not established
Phosphoric Acid	2.00	7664-38-2	1 mg/m ³
Inert Ingredients	20.00		

This product is hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

4. FIRST AID MEASURES

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.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): 120°F (48.8°C) / TCC
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Considered combustible; dry chemical, carbon dioxide, alcohol foam, foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS: May produce hazardous by-products.
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear. Avoid using heavy streams of water.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Release or Spill: Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved pesticide respirator or air-supplied respirator. Use non-sparking tools.

For spills: Spills may be collected with absorbent material and placed in a container for proper disposal in accordance with Federal, State and Local Regulations. Prevent runoff from entering sewer drains and waterways.

7. HANDLING AND STORAGE

HANDLING: Avoid eye and skin contact. Use with ventilation and avoid breathing vapors. DO NOT use with aluminum equipment at temperatures above 120°F.
STORAGE: Store in a cool, dry place. Store in original container. Keep tightly closed. Keep from freezing. DO NOT store above 120°F. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local ventilation recommended. Work in well-ventilated area or outdoors.
RESPIRATORY PROTECTION: Wear a NIOSH approved pesticide respirator with organic vapor cartridge and pesticide prefilter.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear long-sleeved shirts and pants, shoes plus socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
n-Butyl Alcohol	300 mg/m ³	61 mg/m ³
Phosphoric Acid	1 mg/m ³	1 mg/m ³ / 3 mg/m ³ (STEL/C)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellow to light brown liquid with alcohol odor. **SOLUBILITY:** Soluble
SPECIFIC GRAVITY (Water = 1): 1.053 g/ml **BULK DENSITY:** 8.78 lbs/gallon **pH:** 2.7 (1% solution)
VAPOR PRESSURE: not established **BOILING POINT:** not established
PERCENT VOLATILE (by volume): 34-36% **EVAPORATION RATE:** not established
 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

STABILITY: Stable **CONDITIONS TO AVOID:** Strong oxidizers.
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >500-5000 mg/kg **Acute Dermal LD₅₀ (rat):** not established
Eye Irritation (rabbit): Slight Irritant **Skin Irritation (rabbit):** not established
Inhalation LC₅₀ (rat): not established **Skin Sensitization (guinea pig):** not established
Carcinogenic Potential: Nothing listed in IARC, ACGIH, NTP or OSHA.

12. ECOLOGICAL INFORMATION

This product is not expected to be toxic to fish and other aquatic life. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

Do not reuse containers. **Plastic Jugs:** Triple rinse (or equivalent), adding rinse water to spray tank. Offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or dispose of container in a sanitary landfill, or by other procedures approved by appropriate authorities. Wastes may be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT IN CONTAINERS < 119 GALLONS
U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

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	G PPE	
		4 Severe		
SARA Hazard Notification/Reporting				
SARA Title III Hazard Category:	Immediate <u>Y</u>	Fire <u>Y</u>	Sudden Release of Pressure <u>N</u>	
	Delayed <u>N</u>	Reactive <u>N</u>		

Reportable Quantity (RQ) under U.S. CERCLA: Phosphoric Acid (CAS: 7664-38-2) 5000 pounds; n-Butyl Alcohol (CAS: 71-36-3) 5000 pounds
SARA, Title III, Section 313: n-Butyl Alcohol (CAS: 71-36-3) 15%
RCRA Waste Code: Not listed
CA Proposition 65: Not listed.

16. OTHER INFORMATION

MSDS STATUS: Format modified to address changes in ANSI Standard Z400.1-2004

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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