# **MSO® CONCENTRATE WITH LECI-TECH®**

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. **24-Hour Emergency Phone**: 1-800-424-9300

P.O. Box 1286 • Greeley, CO 80632-1286 **Medical Emergencies:** 1-866-944-8565

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

PRODUCT NAME: MSO® CONCENTRATE WITH LECI-TECH® CHEMICAL NAME: Modified vegetable oil and surfactant blend

CHEMICAL FAMILY: Surfactant
CA REG. NO.: 34704-50053
WA REG. NO.: 34704-07001

**MSDS Number:** 8000682-10-LPI **MSDS Revisions:** Sections 1, 2 and 13 **Date of Issue:** 07/09/10 **Supersedes:** 10/11/07

# 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION** – Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse.

This product is a yellow liquid with mild characteristic fatty odor.

## 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u> <u>Percentage by Weight:</u> <u>CAS No.</u> <u>TLV (Units)</u>

Methylated vegetable oil, Alcohol ethoxylate, and

Phosphatidylcholine 100.00 Mixture not established

#### 4. FIRST AID MEASURES

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If in eyes: 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.

If swallowed: Call a poison control center or doctor immediately for treatment advice, Have a person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an

unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by

mouth-to-mouth, if possible.

#### 5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >212°F/>100°C (T.C.C.)

FLAMMABLE LIMITS (LFL & UFL): Not established

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: May include but are not limited to oxides of carbon and oxides of sulfur.

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Burning material may float. Not considered explosive.

# 6. ACCIDENTAL RELEASE MEASURES

## STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Collect as much liquid as possible in a clean container for reuse or absorb and sweep up immediately and transfer to suitable containers for disposal. Flush spill area with water after clean up. Check local, state and federal regulations for proper disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Use with adequate ventilation.

STORAGE: Store in cool, dry place. Store in original container. Keep container tightly closed. Do not reuse empty container.

#### MATERIAL SAFETY DATA SHEET

# **MSO® CONCENTRATE WITH LECI-TECH®**

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Work in well-ventilated area, local exhaust may be required if working in confined space.

RESPIRATORY PROTECTION: Not normally required, if vapors or dusts exceed acceptable levels, wear a NIOSH/ MSHA approved pesticide

espirator.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses, if necessary.

**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, shoes with socks.

OSHA PEL 8 hr TWA ACGIH TLV-TWA

For product not established not established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Yellow liquid with mild characteristic fatty odor

SPECIFIC GRAVITY (Water = 1): 0.900 g/ml

BULK DENSITY: 7.51 lbs/gal.

SOLUBILITY: Emulsifies
ph: 6.9 (1% solution)

SPECIFIC GRAVITY (Water = 1): 0.900 g/ml
VAPOR PRESSURE: Not established
PERCENT VOLATILE (by volume): 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: Prolonged excessive heat.

**INCOMPATIBILITY:** Strong acids, bases, oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

Acute Oral LD<sub>50</sub> (rat): 5000 mg/kg
Eye Irritation (rabbit): Minimal irritant

Acute Dermal LD<sub>50</sub> (rat): > 4000 mg/kg
Skin Irritation (rabbit): Minimal irritant

Inhalation LC<sub>50</sub> (rat): >0.05 mg/L Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH

### 12. ECOLOGICAL INFORMATION

Not determined.

## 13. DISPOSAL CONSIDERATIONS

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <a href="http://www.acrecycle.org/">http://www.acrecycle.org/</a>. Do not contaminate water, food or feed by storage or disposal.

### 14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT

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

Health Health Least Flammability Flammability 0 Slight 0 1 Instability Moderate 0 Reactivity 3 Н PPE High

4 Severe

# **MATERIAL SAFETY DATA SHEET**

safely use the product described by this data sheet for their specific purpose.

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SARA Hazard Notification/Reporting SARA Title III Hazard Category:	Immediate Delayed	<u>Y</u> N	Fire Reactive	N N	Sudden Release of Pr	essure	_ <u>N</u>	
Reportable Quantity (RQ) under U.S. 6 SARA, Title III, Section 313: Not listed RCRA Waste Code: Not listed CA Proposition 65: WARNING: This cancer or birth defects or other reprodu	product contai		n Ethylene Oxide	e (CAS: 75-21-	-8), a chemical known to the S	State of (	California to caus	е
16. OTHER INFORMATION								
MSDS STATUS: Sections 1, 2 and 13								
PREPARED BY: Registrations and Reg	gulatory Affairs				REVIEWED BY: Enviro	nmental	/ Regulatory Serv	ices
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