

# MATERIAL SAFETY DATA SHEET

# MAXIMIZER® CROP OIL CONCENTRATE

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:** MAXIMIZER® CROP OIL CONCENTRATE  
**CHEMICAL NAME:** Paraffinic oil, polyol fatty acid esters and polyethoxylated derivatives  
**CHEMICAL FAMILY:** Mixture  
**CALIF. REG. NO.:** 34704-50059  
**WASH. REG. NO.:** 34704-08002  
**MSDS Number:** .46138-08-LPI      **MSDS Revisions:** All sections reviewed      **Date of Issue:** 09/24/08      **Supersedes:** 12/02/04

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION –** Causes moderate eye irritation. 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 pale yellow liquid with a mild odor.

## 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Paraffin Base Petroleum Oil	83.00	Mixture	not listed
Tall Oil Fatty Acids, Alkylphenol ethoxylate	16.30	Mixture	not listed
Other Ingredients	0.70		

## 4. FIRST AID MEASURES

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**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. Call a poison control center or doctor for treatment advice.  
**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. Call a poison control center or doctor for further treatment advice.  
**If swallowed:** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** >212°F / >100°C (TCC)  
**FLAMMABLE LIMITS (LFL & UFL):** Not established  
**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), dry chemical or water spray.  
**HAZARDOUS COMBUSTION PRODUCTS:** None known.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and full protective gear.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Dike area to contain run-off and prevent contamination of water supplies.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear appropriate personal protective equipment (refer to Section 8) when responding to spills. Shut off source of leak if safe to do so. Dike and contain spill. Soak up residue with absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water to remove trace residue. Contain runoff from residue flush and dispose of properly. Place in container for proper disposal. 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:** Wear impervious gloves when handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Use with adequate ventilation.

**STORAGE:** Store in a cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. If stored below 20°F (-6°C) for an extended period, product may become cloudy and thicken. Raise temperature above 32°F (0°C) and product will return to clear, fluid state. Do not contaminate water, food or feed by storage or disposal.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Work in well-ventilated area. Local ventilation may be required if working in confined spaces.  
**RESPIRATORY PROTECTION:** Wear a NIOSH approved respirator for pesticides if necessary.  
**EYE PROTECTION:** Chemical goggles or shielded safety glasses.  
**SKIN PROTECTION:** Wear long sleeved shirt, long pants, and shoes with socks. Wear impervious rubber or chemical-resistant gloves.

For product	<b>OSHA PEL 8 hr TWA</b> not listed	<b>ACGIH TLV-TWA</b> not listed
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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<p><b>APPEARANCE AND ODOR:</b> Pale yellow liquid with mild odor  <b>SPECIFIC GRAVITY (Water = 1):</b> 0.858 g/ml  <b>VAPOR PRESSURE:</b> Not established  <b>PERCENT VOLATILE (by volume):</b> Not established</p>	<p><b>BULK DENSITY:</b> 7.16 lbs/gal.  <b>BOILING POINT:</b> Not established  <b>EVAPORATION RATE:</b> Not established</p>	<p><b>SOLUBILITY:</b> Emulsifies  <b>pH:</b> 7.0 (1% solution)</p>
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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  
**INCOMPATIBILITY:** None known.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide from burning.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None known.

**11. TOXICOLOGICAL INFORMATION**

<p><b>Acute Oral LD<sub>50</sub> (rat):</b> &gt;5000 mg/kg  <b>Eye Irritation (rabbit):</b> Not an irritant  <b>Inhalation LC<sub>50</sub> (rat):</b> Not established  <b>Carcinogenic Potential:</b> None listed by OSHA, NTP, IARC, and ACGIH as a carcinogen</p>	<p><b>Acute Dermal LD<sub>50</sub> (rat):</b> &gt;2000 mg/kg  <b>Skin Irritation (rabbit):</b> Moderate irritant  <b>Skin Sensitization (guinea pig):</b> Not a sensitizer</p>
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**12. ECOLOGICAL INFORMATION**

Do not apply directly to water, or to areas where surface water is present or to intertidal area below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

**13. DISPOSAL CONSIDERATIONS**

Do not reuse product containers. Wastes may be disposed of on-site or at an approved waster disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer for recycling or dispose of container 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 a national recycling program. To contact your state or local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

**14. TRANSPORT INFORMATION**

**DOT Shipping Description:** NOT REGULATED BY USDOT.  
**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.**

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**15. REGULATORY INFORMATION**

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<b>NFPA &amp; HMIS Hazard Ratings:</b>	NFPA		HMIS
	1 Health	0 Least	1 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	H PPE
		4 Severe	

**SARA Hazard Notification/Reporting**

<b>SARA Title III Hazard Category:</b>	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>N</u>	Reactive	<u>N</u>		

**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 listed

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**16. OTHER INFORMATION**

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**MSDS STATUS:** All sections reviewed and/or revised

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental/ Regulatory Services

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