

# MATERIAL SAFETY DATA SHEET

HERBIMAX®

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: 1-866-944-8565  
U.S. Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: HERBIMAX®  
CHEMICAL NAME: Blend of Petroleum Hydrocarbons and Surfactant  
CHEMICAL FAMILY: Oil-Surfactant Adjuvant  
CA REG. NO.: 34704-50032  
WA REG. NO.: 34704-04006  
MSDS Number: 8041202-10-LPI

MSDS Revisions: Section 1, 2, 4, 7, 13

Date of Issue: 07/09/10

Supersedes: 01/31/07

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION** – Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

This product is pale yellow liquid with slight 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>
Light Paraffinic Distillate and			
Odorless Aliphatic Petroleum Solvent	83.00	Mixture	not established
Alkylphenol ethoxylate, tall oil fatty acid	16.32	Mixture	not established
Other ingredients	0.68		

## 4. FIRST AID MEASURES

**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 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 immediately 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.

**Note to Physician:** Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** >200°F (>93°C) / TCC

**FLAMMABLE LIMITS (LFL & UFL):** Not established

**EXTINGUISHING MEDIA:** Water.

**HAZARDOUS COMBUSTION PRODUCTS:** None known.

**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:

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:** Wear long-sleeved shirt and long pants, socks, shoes and gloves. Avoid eye and skin contact. Use with adequate ventilation and avoid breathing vapors.

**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 to 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:** Local ventilation recommended. Work in well-ventilated area.  
**RESPIRATORY PROTECTION:** Not required for normal use and handling.  
**EYE PROTECTION:** Chemical goggles or shielded safety glasses.  
**SKIN PROTECTION:** Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Gloves.

Oil Mist	<b>OSHA PEL 8 hr TWA</b> Not listed	<b>ACGIH TLV-TWA</b> 5 mg/m <sup>3</sup>
----------	--	---

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

<b>APPEARANCE AND ODOR:</b> Pale yellow liquid with mild odor.	<b>BULK DENSITY:</b> 7.06 lbs/gallon	<b>SOLUBILITY:</b> Emulsifies
<b>SPECIFIC GRAVITY (Water = 1):</b> 0.846 g/ml	<b>BOILING POINT:</b> Not established	<b>pH:</b> 6.9 (1% solution)
<b>VAPOR PRESSURE:</b> Not established	<b>EVAPORATION RATE:</b> Not established	
<b>PERCENT VOLATILE (by volume):</b> 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**

---

<b>STABILITY:</b> Stable	<b>CONDITIONS TO AVOID:</b> None known.
<b>INCOMPATIBILITY:</b> None known.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> None known.	
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.	

---

**11. TOXICOLOGICAL INFORMATION**

---

<b>Acute Oral LD<sub>50</sub> (rat):</b> >5000 mg/kg	<b>Acute Dermal LD<sub>50</sub> (rabbit):</b> >2000 mg/kg
<b>Eye Irritation (rabbit):</b> Corneal involvement or irritation clearing in 7 days or less	<b>Skin Irritation (rabbit):</b> Slight irritant
<b>Inhalation LC<sub>50</sub> (rat):</b> Not established	<b>Skin Sensitization (guinea pig):</b> Not a sensitizer
<b>Carcinogenic Potential:</b> Nothing listed in NTP, IARC, ACGIH or OSHA.	

---

**12. ECOLOGICAL INFORMATION**

---

Do not contaminate water, food or feed by storage or disposal.

---

**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 state and local 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 <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  
**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**

---

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

# MATERIAL SAFETY DATA SHEET

HERBIMAX®

## SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N  
Delayed N Reactive 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 listed

---

## 16. OTHER INFORMATION

---

MSDS STATUS: Sections 1, 2, 4, 7 and 13 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

®Herbimax is a registered trademark of Loveland Products, Inc.

**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, 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.