

MATERIAL SAFETY DATA SHEET

ACIDIpHACTANT

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: ACIDIpHACTANT
CHEMICAL NAME: Blend of Propionic Acid, processed Lecithin and surfactant
CHEMICAL FAMILY: Surfactant - Penetrant
CA REG. NO.: 34704-50049
MSDS Number: 8000660-10-LPI

MSDS Revisions: Sections 1 and 4

Date of Issue: 07/07/10

Supersedes: 07/20/07

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION - Liquid Causes Eye Injury. Do not get in eyes. In case of contact with eyes, wash for 15 minutes with plenty of water, then get medical attention.

This product is a dark brown liquid with pungent, acidic 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>
Alkyl aryl polyoxyethylene phosphate esters	56.00	Mixture	not established
Ethyl Carboxylic Acid	15.00	Mixture	not established
Phosphoric Acid	1.70	7664-38-2	1 mg/m ³
Dimethylpolysiloxane	1.00	Mixture	not established
Other ingredients	26.30		

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for 15-20 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin: Remove all contaminated clothing. Rinse skin immediately with soap and plenty of water for 15-20 minutes. Call a physician for treatment advice.
Ingestion: If swallowed, give large quantities of water. Do not induce vomiting unless told to by a doctor. Do not give anything by mouth to an unconscious person. Call a physician to get medical attention; the emergency telephone number is 1-866-944-8565
Inhalation: Move subject to fresh air. Give artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >212°F (>100°C) / TCC
FLAMMABLE LIMITS (LEL & UEL): Not established
EXTINGUISHING MEDIA: Considered non-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.

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.
STORAGE: Keep container tightly closed. Store in a dry place. Do not reuse empty container. 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/acid/gas cartridge and pesticide prefilter.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

Phosphoric Acid

OSHA PEL 8 hr TWA
1 mg/m³ACGIH TLV-TWA
1 mg/m³**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE AND ODOR:** Dark brown liquid with vinegar-like odor.**SPECIFIC GRAVITY (Water= 1):** 1.035 g/ml**BULK DENSITY:** 8.64 lbs/gallon**SOLUBILITY:** Miscible**VAPOR PRESSURE:** not established**BOILING POINT:** not established**pH:** 3.6 (1% solution)**PERCENT VOLATILE (by volume):** not established**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:** High alkaline conditions.**INCOMPATIBILITY:** Strong oxidizers.**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.**HAZARDOUS POLYMERIZATION:** Will not occur.**11. TOXICOLOGICAL INFORMATION****Acute Oral LD₅₀ (rat):** Not established**Acute Dermal LD₅₀ (rabbit):** Not established**Eye Irritation (rabbit):** Not established**Skin Irritation (rabbit):** Not established**Inhalation LC₅₀ (rat):** Not established**Skin Sensitization:** Not established.**Carcinogenic Potential:** Nothing listed in IARC, ACGIH or OSHA.**12. ECOLOGICAL INFORMATION**

No data available.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. 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**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**

1 Health
 0 Flammability
 0 Instability

0 Least
 1 Slight
 2 Moderate
 3 High
 4 Severe

HMIS

1 Health
 0 Flammability
 0 Reactivity
 G PPE

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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: Phosphoric Acid (CAS: 7664-38-2) 5000 lbs.

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed.

16. OTHER INFORMATION

MSDS STATUS: Sections 1 and 4 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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