

MATERIAL SAFETY DATA SHEET

REIGN™ LC

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: REIGN™ LC
CHEMICAL NAME: Polyvinyl Polymer; Polyacrylamide
CHEMICAL FAMILY: Deposition and Drift Control Agent
CA REG. NO.: Pending
WA REG NO.: Pending
MSDS Number: .161445-07-LPI

MSDS Revisions: New

Date of Issue: 02/28/07

Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – May cause irritation to skin and eyes.

This product is grayish-white, milky, viscous 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>
Polyacrylamide	30.00	9003-05-8	none established
Inert Ingredients, including	70.00		none established
Light Hydrotreated Petroleum Distillate		Proprietary	none established

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 treatment advice.

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

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have 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): >200°F / >93.3°C (P-M CC)

FLAMMABLE LIMITS (LFL & UFL): Not established

EXTINGUISHING MEDIA: Carbon dioxide (CO₂), dry chemical, foam or water spray.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

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. Spills are very slippery. 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 long-sleeved shirt and long pants, socks, shoes, and 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. Keep out of reach of children. Do not store near oxidizing agents. 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.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
For product	not established	not established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Grayish-white, milky, viscous liquid with mild odor	SOLUBILITY: Appreciable
SPECIFIC GRAVITY (Water = 1): 1.00 g/ml	pH: 4 - 6 (diluted)
VAPOR PRESSURE: Not established	BULK DENSITY: 8.345 lbs/gal.
PERCENT VOLATILE (by volume): 50 – 70%	BOILING POINT: >212°F (>100°C)
Note: These physical data are typical values based on material tested but may vary from sample to sample.	EVAPORATION RATE: Not established
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: Cold temperatures.
INCOMPATIBILITY: Strong oxidizing agents, aluminum, copper, iron, iron salts.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, ammonia, and oxides of nitrogen from combustion.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established	Acute Dermal LD₅₀ (rat): Not established
Eye Irritation (rabbit): Not established	Skin Irritation (rabbit): Not established
Inhalation LC₅₀ (rat): Not established	Skin Sensitization (guinea pig): Not established
Carcinogenic Potential: None listed by OSHA, NTP, IARC, and ACGIH as a carcinogen	

12. ECOLOGICAL INFORMATION

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 when cleaning equipment or disposing of equipment wash waters. May be used in aquatic settings, except in Washington State.

13. DISPOSAL CONSIDERATIONS

Do not reuse product containers. Triple rinse (or equivalent), adding rinse water 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 by other procedures approved by state and local authorities. Wastes resulting from the use of this product 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.
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	
	1 Flammability	1 Slight	1 Flammability	
	0 Instability	2 Moderate	0 Reactivity	
		3 High	H PPE	
		4 Severe		

SARA Hazard Notification/Reporting			
SARA Title III Hazard Category:	Immediate <u>N</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

16. OTHER INFORMATION

MSDS STATUS: New.

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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