

# SAFETY DATA SHEET

REIGN®

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: REIGN™  
CHEMICAL NAME: Polyvinyl Polymer; Polyacrylamide  
CHEMICAL FAMILY: Drift Retardant  
CA REG. NO.: 34704-50045  
WA REG NO.: 34704-05010  
SDS Number: 1000013533-14-LPI

SDS Revisions: Sections 1, 2, 4

Date of Issue: 04/30/14

Supersedes: 02/01/10

## 2. HAZARDS IDENTIFICATION SUMMARY

**KEEP OUT OF REACH OF CHILDREN – CAUTION** – May cause irritation to skin and eyes. Harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

This product is colorless, 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	1.00	9003-05-8	none established
Inert Ingredients	99.00		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 for 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 the 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.

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

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** >212°F / >100°C  
**FLAMMABLE LIMITS (LFL & UFL):** Not established  
**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>), dry chemical 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 when wet. 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 chemical-resistant gloves, long-sleeved shirt and long pants, shoes plus socks when mixing or applying. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. 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 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.

	<b>OSHA PEL 8 hr TWA</b>	<b>ACGIH TLV-TWA</b>
For product	not established	not established

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

<b>APPEARANCE AND ODOR:</b> Colorless, viscous liquid with mild odor	<b>BULK DENSITY:</b> 8.345 lbs/gal.	<b>SOLUBILITY:</b> Complete
<b>SPECIFIC GRAVITY (Water = 1):</b> 1.00 g/ml	<b>BOILING POINT:</b> Not established	<b>pH:</b> 7.8 (!% 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**

---

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** Cold temperatures.  
**INCOMPATIBILITY:** Strong oxidizing agents, aluminum, copper, iron, iron salts.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide and oxides of nitrogen from burning.  
**HAZARDOUS POLYMERIZATION:** 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> (rat):</b> >2000 mg/kg
<b>Eye Irritation (rabbit):</b> Not an irritant	<b>Skin Irritation (rabbit):</b> Not an irritant
<b>Inhalation LC<sub>50</sub> (rat):</b> Not established	<b>Skin Sensitization (guinea pig):</b> Not a sensitizer
<b>Carcinogenic Potential:</b> 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.  
Not for aquatic use in Washington.

---

**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, then 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 for 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 [www.acrcycle.org](http://www.acrcycle.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.**

---

**15. REGULATORY INFORMATION**

---

**NFPA & HMIS Hazard Ratings:****NFPA**

1	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

**HMIS**

1	Health
0	Flammability
0	Reactivity
B	PPE

**SARA Hazard Notification/Reporting****SARA Title III Hazard Category:**

Immediate	<u>N</u>
Delayed	<u>N</u>

Fire	<u>N</u>
Reactive	<u>N</u>

Sudden Release of Pressure	<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**

---

**SDS STATUS:** Sections 1, 2, and 4 revised.**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental Health and Safety*®Reign 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.