

DRIFT CONTROL AGENT **DEPOSITION AID**

Principal Functioning Agents:

Constituents Ineffective as Spray Adjuvants TOTAL 100% Polyvinyl polymer (polyacrylamide)......1% . 99%

CA Reg. No. 34704-50045 WA Reg. No. 34704-05010

KEEP OUT OF REACH OF CHILDREN

CAUTION

NET CONTENTS: 2.5 U.S. GALLONS (9.462 L)





Loveland Products, Inc. • PO Box 1286 • Greeley, CO 80602-1286

62412

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. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse, PERSONAL PROTECTIVE EQUIPMENT:

Mear chemical-resistant gloves, long-steeved shirt and long pants, shoes plus socks when mixing or applying REIGN Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. It Swallowed: Call a poison control First Aid: If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. If on Skin or Clothing:

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

to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth 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 center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless

Have the product container or label with you when calling a poison control center or doctor, or going for treatment

with most water soluble and weltable powder pesticides, desincants and cotton defoliants when applied by aerial application or standard REIGN is an effective, easy-to-use adjuvant for deposition improvement and drift retardation in spraying operations. REIGN is compatible

ground equipment. REIGN will-letard, but not totally eliminate drift.
THIS PRODUCT CAN BE USED IN THE FOLLOWING SETTINGS: AGRICULTURAL, AQUATIC, FORESTRY, INDUSTRIAL, MUNICIPAL,
NON-CROPLAND, ORNAMENTAL, RIGHTS-OF-WAY AND TURE, (NOT FOR AQUATIC USE IN WASHINGTON.)

REIGN DIRECTIONS FOR USE

Select correct rate from chart below.

Fill mix tank with water and pesticide. Then start to agitate.

Step 3: Add REIGN.

If additional surfactant or other spray adjuvants are used, they should be added after REIGN. Continue to agitate mix tank at least 2 minutes before spraying. Follow all cleanup precautions on label of pesticide used.

1 to 3 ats	Flat Fan Flood	כמווסם מספורים
Sto 5 cts	below 45 psi	below 45 psi
2 to 4 cts	below 45 psi Straight Back 2 to 4 cts	below 45 psi
		AERIAL APPLIED
Amount of REIGN	Nozzie Orientation	Spray Pressure
	SUGGESTED USE RATES	A CONTRACTOR OF THE PARTY OF TH

below 45 psi Straight Back 2 to 4 cts below 45 psi 45° Angle Back 3 to 5 qts GROUND APPLIED Flat Fan Flood 1 to 3 qts Jow (below 30 psi) O'H-Center 2 to 3 qts medium (30 to 50 psi) Flat Fan Flood 2 to 3 qts medium (30 to 50 psi) Flat Fan Flood 3 to 4 qts medium (30 to 50 psi) 5 pray Guins 3 to 5 qts medium (30 to 50 psi) 5 pray Guins 3 to 10 qts high (50 to 150 psi) 5 pray Guins 3 to 10 qts	allions spray solution	per 100 gallons of spray solution; "for home and garden sprayers, use approximately 1/4 cup of REIGN per 5 gallons spray solution	"per 100 gallons of spray solution; "I
Sraight Back. 45° Angle Back. Flat Fan, Flood Olf-Center. Flat Fan Flood Olf-Center. Olf-Center. Spray Guns.	-	Spray Guns**	high (50 to 150 psi)
Siraight Back. 45° Angle Back Flat Fan, Flood 0f'-Center. Off-Center.		Spray Guns	medium (30 to 50 psi)
Straight Back	3 to 4 qts	Off-Center	medium (30 to 50 psi)
Straight Back	2 to 3 cts		medium (30 to 50 psi)
Straight Back	2 to 3 qts	1	low (below 30 psi)
	1 to 3 qts	Flat Fan, Flood	GROUND APPLIED
Straight Back	3 to 5 cts		below 45 psi
	2 to 4 cits		below 45 psi

Environmental Hazards: 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 washwaters.

STORAGE AND DISPOSAL

landfill, or by other procedures approved by appropriate authordies. 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 STORAGE: Store in cool, dry place. Store in original container, Keep tightly closed, Do not reuse empty container, pisposal: Do not contaminate water, food or feed by storage or disposal. 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 container in sanitary ACRC recycler visit the ACRC web page at www.acrecycle.org.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC 1-800-424-9300

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE ENGINE PRODUCT I, OYELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE DIVER OF USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR SELLER SHALL NOT BE LIABLE TO THE DIVER OF USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR BEFORE BUYING OR USING THIS PRODUCT, read the Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary, LOVELAND PRODUCTS. INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY stated in the Directions for Use, when the product is used in accordance with such Directions for Use under normal conditions of use. LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY PRODUCTS. INC, warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes

REIGN 2.5GL/82412



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REIGN® SUPERSEDES: 10/16/15

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME:

REIGN®

1.2 RECOMMENDED USE: DEPOSITION AND DRIFT CONTROL AGENT

1.3 SUPPLIER DETAILS:

LOVELAND PRODUCTS, INC.

P.O. Box 1286 • Greeley, CO 80632-1286

1.4 24 Hour Emergency Phone: 1-800-424-9300 - Medical Emergencies: 1-866-944-8565 - Product Information: 1-888-574-2878 (LPI-CUST)

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

HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 29 CFR 1910 1200

Classification according to 25 of K 1510.1200		
Acute Toxicity - Oral	Category 5	H303
Acute Toxicity - Dermal	Category 5	H313
Eye Damage/Irritation	Category 2B	H320
Skin Corrosion/Irritation	Category 3	H316
Acute Toxicity - Inhalation	Category 5	H333

2.2 Label elements

No pictogram required.

Signal word:

WARNING

Hazard Statements:

H303 - May be harmful if swallowed.

H313 - May be harmful in contact with skin.

H320 - Causes eye irritation H316 - Causes mild skin irritation. H333 - May be harmful if inhaled.

Precautionary

Statements:

P101 - If medical advice is needed, have the product label or container at hand.

P102 - Keep out of reach of children. (General):

P103 - Read label before use.

Precautionary

Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

(Prevention):

P264 - Wash hands, face, and other affected areas thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P271 – Use only outdoors or in a well-ventilated area.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P273 - Avoid release to the environment.

Precautionary

Statement:

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

(Response):

P302+P313+P312: IF ON SKIN: Get medical advice attention. Call a POISON CENTER or doctor/physician if you feel

unwell.

P362 - Take off contaminated clothing and wash before reuse.

P352 - Wash with soap and water.

P333+P313: If skin irritation occurs: Get medical advice/attention.

P304+P312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P340 - Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 – IF IN eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and

easy to do - continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

None known



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3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Classification according to 29 CFR 1910.1200

Chemical Name:

CAS No.

Concentration

[%]

Proprietary blend of Polyvinyl Polymers

and formulation aids

n/a

100.00

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice:

Get medical attention if symptoms occur.

Eye contact:

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.

Skin contact:

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.

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to

to an unconscious person.

Ingestion:
Inhalation:

swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by

mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms:

May be harmful if swallowed.

4.3 Immediate Medical Attention and Special Treatment

Treatment:

Treat symptomatically. Symptoms may be delayed.

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

Take container, label or product name with you when seeking medical attention.

Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Water spray, dry chemical, foam, or carbon dioxide (CO₂).

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, hazardous by-products can be released.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



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ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions:

Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation.

Wear suitable protective clothing.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter

drains, sewers, or watercourses.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush

contaminated area thoroughly with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to

Remove residual contamination.

Never return spills to original containers for re-use.

HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling:

Avoid inhalation of mists, vapors / spray and contact with eyes, skin and clothing. Do not breathe mists or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers:

Store in cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. Product will become thicker at cold temperatures but effectiveness will not be affected. Warm product before use. Do not contaminate water, food or feed by storage or disposal.

EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (ACGIH) Guides

Components Type No listings

Value

Biological limit values

ACGIH Biological Exposure Indices

Components Value Specimen

No listings

8.2 EXPOSURE CONTROLS:

Engineering Measures

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

Individual Protection Measures:

Eye / Face Protection:

Goggles or shielded safety glasses are recommended.

Skin Protection:

Coveralls worn over long-sleeved shirt and long pants. Chemical-resistant gloves. Chemical-resistant footwear plus

Respiratory Protection:

In case of inadequate ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH approved respirator with N, R, P or HE filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.



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PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE:

Viscous liquid.

ODOR:

Mild.

ODOR THRESHOLD:

No data available.

COLOR:

Clear.

6 - 7

MELTING POINT / FREEZING POINT: No data available

BOILING POINT:

No data available

FLASH POINT:

>212 °F (>100 °C) / TCC

FLAMMABILILITY (solid, gas): No data available.

UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available.

VAPOR PRESSURE:

No data available.

SOLUBILITY:

Dispersible

PERCENT VOLATILE (by volume): No data available

PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.

AUTO-IGNITION TEMPERATURE: No data available.

DECOMPOSITION TEMPERATURE: No data available

VISCOSITY, kinematic (104°F):

No data available SPECIFIC GRAVITY (Water = 1): 0.99 - 1.03 g/ml

8.26 - 8.60 lbs/gal | 0.99 - 1.03 kg/L

DENSITY: 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

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

Avoid strong oxidizing materials.

10.5 INCOMPATIBILE MATERIALS

Strong oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon, oxides of nitrogen, and ammonia.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Eye contact, Inhalation, Skin contact,

LC₅₀ (rat): No data available

LD₅₀ Oral (male rat): > 4,500 mg/kg

LD₅₀ Dermal (rabbit): >4,500 mg/kg

Acute Toxicity Estimates: No data available Skin Irritation (rabbit): No data available.

Eye Irritation (rabbit): No data available

Specific Target Organ Toxicity: Single exposure: No data available.

Aspiration: No data available

Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenicity: No data available

Germ Cell Mutagenicity: No data available

Interactive Effects: None known



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12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is not intended for use in aquatic settings.

Ecotoxicological Data

Species

Test Results

No data available

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability:

No data available

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation:

12.4 MOBILITY IN SOIL

No data available.

No data available.

12.5 OTHER ADVERSE EFFECTS

Assessment:

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

P501 - 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 appropriate 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

14.1 LAND TRANSPORT

DOT Shipping Description: NOT REGULATED.

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS 60)

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA

HMIS

Health

0 Least Health

Flammability

Slight

Instability

Moderate 2 Severe

Flammability 0 Reactivity

3 High R PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate Delayed

Fire Reactive N Sudden Release of Pressure

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Reportable Quantity (RQ) under U.S. CERCLA: Acrylamide (CAS: 79-06-1) 5,000 lbs.

SARA, Title III, Section 313: Acrylamide (CAS: 79-06-1)

RCRA Waste Code: U007 (Acrylamide)

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive



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16. OTHER INFORMATION

SDS STATUS: Sections 2 and 3 revised.

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

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