

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273 or CHEMTREC 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED FOR:

LOVELAND PRODUCTS CANADA, INC.
789 Donnybrook Drive • Dorchester, Ontario N0L 1G5

24-Hour Emergency Phone: 1-800-561-8273
Additional Emergency Phone (Canutec): 1-613-996-6666 (Collect)

CHEMICAL IDENTITY: Aqueous Mixture of Salts

PRODUCT USE: Water Conditioner

PCP REG. NO.: Not applicable

SDS Number: 1000565960-15-LPI

SDS Revisions: Section 1

Date of Issue: 09/14/15

Supersedes: 09/14/12

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing vapor or spray mist. Remove contaminated clothing and wash clothing before reuse. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

This product is a light amber-coloured liquid with pungent odour. Primary routes of entry are 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>
Ammonium Sulfate	5.00	7783-20-2	none established
Other ingredients, including Propionic Acid	46.00	79-09-4	30 mg/m ³
Ammonium Hydroxide		1336-21-6	none established
Inert Ingredients	49.00		

4. FIRST AID MEASURES

If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
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 centre or doctor treatment advice.
If swallowed:	Call a poison control centre 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 centre 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. Call a poison control centre or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	>200°F/>93.3°C (TCC)
FLAMMABLE LIMITS (LFL & UFL):	Not established
EXTINGUISHING MEDIA:	Dry chemical, carbon dioxide (CO ₂), foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS:	May include but are not limited to oxides of carbon and oxides of sulfur.
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.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid breathing vapors and contact with liquid. Collect as much liquid as possible in a clean container for reuse or absorb and sweep up immediately and transfer to suitable containers for disposal. Flush spill area with water after clean up. 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:	Use with adequate ventilation. Wear safety glasses or goggles. Wear waterproof or chemical-resistant gloves when handling.
STORAGE:	Store in a cool, dry place. Store in original container. Keep tightly closed. Do not contaminate water, food or feed storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:	Work in well-ventilated area, local exhaust may be required if working in confined space.		
RESPIRATORY PROTECTION:	Not normally required, if vapors or dusts exceed acceptable levels, wear a NIOSH/ MSHA approved pesticide respirator.		
EYE PROTECTION:	Chemical goggles or shielded safety glasses.		
SKIN PROTECTION:	Wear protective clothing: long-sleeved shirts and pants, shoes plus socks. Wear waterproof or chemical-resistant gloves.		
	Propionic Acid	OSHA PEL 8 hr TWA not listed	ACGIH TLV-TWA 30 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Light amber-coloured liquid with pungent odour	SOLUBILITY:	Soluble
SPECIFIC GRAVITY (Water = 1):	1.13g/ml	BULK DENSITY:	1.13 kg/L
VAPOR PRESSURE:	Not established	BOILING POINT:	Not established
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:	May include but are not limited to oxides of carbon and oxides of sulfur in a fire situation.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat):	>3870 mg/kg (based on a similar product)	Acute Dermal LD₅₀ (rabbit):	>2000 mg/kg (based on a similar product)
Eye Irritation (rabbit):	Slight irritant (based on a similar product)	Skin Irritation (rabbit):	Slight irritant (based on a similar product)
Inhalation LC₅₀ (rat):	>2,88 mg/L (based on a similar product)	Skin Sensitization (guinea pig):	Not a sensitizer (based on a similar product)
Carcinogenic Potential:	None listed in OSHA, NTP, IARC or ACGIH		

12. ECOLOGICAL INFORMATION

Do not apply directly to water, or to areas where surface water is present, or to intertidal area below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

13. DISPOSAL CONSIDERATIONS

Do not reuse containers for any purpose. Container is recyclable, and is to be disposed of at a container collection site. Contact your local dealer/distributor for the location of the nearest collection site. Before taking container to the collection site: Triple or pressure-rinse the empty container, adding the rinsate to the spray tank. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food, or feed by storage or disposal.

14. TRANSPORT INFORMATION

TDG Shipping Description: NOT REGULATED
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		HMIS	
1	Health	0	Least
0	Flammability	1	Slight
1	Instability	2	Moderate
		3	High
		4	Severe
		1	Health
		0	Flammability
		1	Reactivity
		H	PPE

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: Ammonium Hydroxide (CAS: 1336-21-6) 1,000 pounds; Propionic Acid (CAS: 79-09-4) 5,000 pounds

SARA, Title III, Section 313: Ammonium Hydroxide (CAS: 1336-21-6) >3.0%

RCRA Waste Code: Not listed

CA Proposition 65: Not applicable

16. OTHER INFORMATION

SDS STATUS: Section 1 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

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