

MATERIAL SAFETY DATA SHEET

CHOICE®

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: CHOICE®
CHEMICAL NAME: Mixture
CHEMICAL FAMILY: Water Conditioner
CALIF. REG. NO.: 34704-50027
WASH. REG. NO.: 34704-04004
MSDS Number: CH-06-LPI **MSDS Revisions:** Section 16 **Date Of Issue:** 11/03/06 **Supersedes:** 07/12/04

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 pale yellow-colored liquid with pungent/acidic odor. 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>
Salts of propionic, hydroxy carboxylic, polyacrylic acids, Phosphate ester, and Ammonium sulfate	50.00	7783-20-2	Not established
Other ingredients	50.00		

4. FIRST AID MEASURES

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
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.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have a 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 (T.C.C.)
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide (CO₂), foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS: May include but are not limited to oxides of carbon.
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: Safety glasses with side shields or goggles and rubber gloves should be worn when handling product. 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 contaminate water, food or feed by 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 approved pesticide respirator.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear rubber or chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
For product	None established	None established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pale yellow-colored liquid with pungent/acidic odor	SOLUBILITY: Soluble
SPECIFIC GRAVITY (Water = 1): 1.13g/ml	BULK DENSITY: 9.43 lbs/gal.
VAPOR PRESSURE: Not applicable	BOILING POINT: Not established
PERCENT VOLATILE (by volume): Not established	EVAPORATION RATE: 11.9%

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
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: High alkaline conditions.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): >3870 - <5000 mg/kg	Acute Dermal LD₅₀ (rabbit): > 2000 mg/kg
Eye Irritation (rabbit): Moderate irritant [EPA Category III]	Skin Irritation (rabbit): Mild or slight irritant [EPA Category IV]
Acute Inhalation LC₅₀ (rat): > 2.88 mg/L (4 HR).	Skin Sensitization (guinea pig): Not a sensitizer
Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH	

12. ECOLOGICAL INFORMATION

Eco-Acute Toxicity: Zebra danio (Brachydanio rerio) 96-hour LC₅₀ 70.7 mg/L: slightly toxic to fish and other aquatic life.
 Eco-chronic toxicity: Invertebrate (Daphnia similis) 48 hour EC₅₀ > 100 mg/L.

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

SARA Hazard Notification/Reporting		
SARA Title III Hazard Category:	Immediate <u>Y</u>	Fire <u>N</u>
	Delayed <u>N</u>	Reactive <u>N</u>
		Sudden Release of Pressure <u>N</u>

Reportable Quantity (RQ) under U.S. CERCLA: None listed
SARA, Title III, Section 313: None listed
RCRA Waste Code: Not listed
CA Proposition 65: None listed

16. OTHER INFORMATION

MSDS STATUS: Section 16 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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