

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: AMAZE GOLD®
CHEMICAL NAME: Ammonium Sulfate-Non-Ionic Surfactant Blend
CHEMICAL FAMILY: Surfactant
MSDS Number: 8202251-10-LPI **MSDS Revisions:** Sections 1 and 4 **Date of Issue:** 07/07/10 **Supersedes:** 10/14/08

2. HAZARDS IDENTIFICATION SUMMARY

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

This product is a colorless liquid with no odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Ammonium Sulfate, Polyacrylamide, and Dimethylpolysiloxane	34.00	Mixture	not established
Other Ingredients	66.00		

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 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): >200°F / >93.3°C (PMCC).
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Foam, dry chemical, or carbon dioxide (CO₂).
HAZARDOUS COMBUSTION PRODUCTS: Decomposes at elevated temperatures to produce toxic fumes of ammonia and sulfur oxides.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Use water spray to cool containers in fire. 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. 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.
STORAGE: Do not allow to freeze. For optimum storage stability, store at temperatures between 40°F (4.4°C) and 90°F (32°C). Store in a cool, dry place. Store in original containers. Avoid contact with iron clad, copper, and copper-bearing materials. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation, preferably local exhaust.
RESPIRATORY PROTECTION: If vapors exceed acceptable levels, wear a NIOSH approved respirator for mists and vapors.
EYE PROTECTION: Wear protective eyewear (goggles or face shield). Eyewash station should be available.
SKIN PROTECTION: Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Full coverage body protective suit, if needed. Safety showers should be available.

OSHA PEL 8 hr TWA
Not listed

ACGIH TLV-TWA
Not listed

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Colorless liquid with no odor	BULK DENSITY: 10.10 lbs/gal.	SOLUBILITY: Soluble
SPECIFIC GRAVITY (Water = 1): 1.21 g/ml	BOILING POINT: Not established	pH: Not established
VAPOR PRESSURE: Not established	EVAPORATION RATE: Not established	
PERCENT VOLATILE (by volume): >65%		

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: Freezing and extreme temperatures above 536 °F (280 °C).
INCOMPATIBILITY: Avoid contact with strong oxidizers including chlorates, nitrates, and nitrites.
HAZARDOUS DECOMPOSITION PRODUCTS: Decomposes at elevated temperatures to produce toxic fumes of ammonia and oxides of sulfur.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established	Acute Dermal LD₅₀ (rat): Not established
Eye Irritation (rabbit): Moderate irritant	Skin Irritation (rabbit): Slight irritant.
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 the 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.

13. DISPOSAL CONSIDERATIONS

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. 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 operates a 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

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

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: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: Not listed
PA Hazardous Substance Code: E (Ammonium Sulfate, CAS: 7783-20-2)
MA Hazardous Substance Codes: 5 F9 (Ammonium Sulfate, CAS: 7783-20-2)

16. OTHER INFORMATION

MSDS STATUS: Sections 1 and 4 revised
PREPARED BY: Registrations and Regulatory Affairs **REVIEWED BY:** Environmental/ Regulatory Services

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