

MATERIAL SAFETY DATA SHEET

ALLEVIATE®

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

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED 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: ALLEVIATE®
CHEMICAL NAME: Neutral blend of block copolymers and hydrophobic tensides
CHEMICAL FAMILY: Mixture
EPA REG. NO.: not applicable
MSDS Number: .171435-07-LPI

MSDS Revisions: New

Date Of Issue: 02/23/07

Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION – Harmful if inhaled. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Irritating to eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not take by mouth. Keep out of reach of children.

This product is a clear, blue liquid with negligible odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Block copolymers and hydrophobic tensides	70.00	Mixture	not established
Inert Ingredients	30.00		

4. FIRST AID MEASURES

If inhaled: Move victim to fresh air. Give artificial respiration if needed. Call a physician.
If swallowed: Give a large amount of water to drink, make person vomit and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.
If in eyes: Immediately flush eyes with clean water for at least 15 minutes. Call a physician.
If on skin: Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists. If contact is made with spray solution containing pesticides, follow the "First Aid" statement on the pesticide label.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >212°F/>100°C.
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Dry chemical or carbon dioxide (CO₂), foam or water spray/fog.
HAZARDOUS COMBUSTION PRODUCTS: Emits oxides of carbon and other toxic fumes.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Use water spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear appropriate personal protective equipment (refer to Section 8). Control and contain the leak. Pick up the material with absorbent and place in a container for proper disposal in accordance with local, state and federal regulations.

ENVIRONMENTAL PRECAUTIONS: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children. Wash thoroughly after handling.
STORAGE: Store in original container only. Keep container tightly closed. Do not allow water to contaminate the contents of the container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters or spray waste. Do not store near heat or open flame. KEEP FROM FREEZING

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Work in well-ventilated area. Local exhaust may be required if working in confined spaces.
RESPIRATORY PROTECTION: Respiratory protection is not necessary unless used in a confined space.
EYE PROTECTION: Chemical goggles or safety glasses. An emergency eyewash station should be available.
SKIN PROTECTION: Wear protective clothing and gloves.

For product	OSHA PEL 8 hr TWA not listed	ACGIH TLV-TWA not listed
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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, blue liquid with negligible odor.	BULK DENSITY: 8.76-8.85 lbs/gal.	SOLUBILITY: Soluble
SPECIFIC GRAVITY (Water = 1): 1.05-1.06 g/ml	BOILING POINT: Not established	pH: 2.5 - 3.5 (1% solution)
VAPOR PRESSURE: Not established	EVAPORATION RATE: Not established	
PERCENT VOLATILE (by volume): ±30%		

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: Extremes in temperature.
INCOMPATIBILITY: Strong oxidizing agents and alkaline materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Emits oxides of carbon and other toxic fumes in a fire situation.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established	Acute Dermal LD₅₀ (rat): Not established
Eye Irritation (rabbit): Irritation will occur	Skin Irritation (rabbit): Not established.
Inhalation LC₅₀ (rat): Not established.	Skin Sensitization (guinea pig): Not established.
Carcinogenic Potential: Not listed by OSHA, NTP, IARC, or ACGIH as a known human carcinogen	

12. ECOLOGICAL INFORMATION

Aquatic toxicity not available. Do not contaminate ponds, waterways, lakes or other bodies of water with Alleviate® or used container.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Triple rinse (or equivalent) and add rinsate 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters or spray waste.

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
	1 Health	0 Least	0 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	<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: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: Not listed.

16. OTHER INFORMATION

MSDS STATUS: New

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/Regulatory Services

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This product contains



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