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

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1.

FORMULATED FOR:				
Loveland Industries, Inc. P.O. Box 1289 • Greeley, CO 80632-1289			24-Hour Emergency Phone: 1-800-424-9300 Medical Emergencies: 1-800-301-7976	
CHEMICAL NAME: CHEMICAL FAMILY:	Surfactant Mixture 36208-50038 3-01002	s of fatty acids, and alcohol ethoxylate visions: All sections reviewed and/or revised	Date Of Issue: 10/15/03	Supersedes: 12/25/01
2. COMPOSITION, I	NFORMATION ON	INGREDIENTS		
Chemical Ingredients:	Pe	ercentage by Weight:	CAS No.	TLV (Units)
Lecithin, methyl esters of f alcohol ethoxylate	atty acids, and	100.00	Mixture	none established
3. HAZARDS IDENT	IFICATION SUMM	ARY		
This product is brown liqu . 4. FIRST AID MEAS				
If on Skin: Remove c If Swallowed: Call a phy	ontaminated clothing. sician immediately. Dr	then get medical attention. Wash with soap and water. Get medical attenti ink two (2) glasses of water. Induce vomiting. ly artificial respiration if necessary.	ion if irritation develops.	
5. FIRE FIGHTING N	IEASURES			
FLASH POINT (°F/Test M FLAMMABLE LIMITS (LI EXTINGUISHING MEDIA HAZARDOUS COMBUS' SPECIAL FIRE FIGHTING	EL & UÉL): : FION PRODUCTS:	>212 ^o F / >100 ^o C (TCC) Not established Carbon dioxide (CO ₂), dry chemical or wa None known. Wear self-contained breathing apparatus		

Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dike area to contain run-off and prevent contamination of water supplies.

ACCIDENTAL RELEASE MEASURES 6.

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.

HANDLING AND STORAGE 7.

HANDLING:

STORAGE:

Wear impervious gloves when handling. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Keep away from children, feed and foodstuffs, fertilizers and seed. Store in a cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. Product will become thicker at cold temperatures. Warm product before use. Keep out of reach of children.

EXPOSURE CONTROLS / PERSONAL PROTECTION 8

ENGINEERING CONTROLS:	Work in well-ventilated area. Local ventilation may be required if working in confined spaces.
RESPIRATORY PROTECTION:	Wear a NIOSH approved respirator for pesticides if necessary.
EYE PROTECTION:	Chemical goggles or shielded safety glasses.
SKIN PROTECTION:	Wear long sleeved shirt, long pants, and shoes with socks. Wear impervious rubber or chemical-resistant gloves.

OSHA PEL 8 hr TWA ACGIH TLV-TWA For product not established not established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Brown liquid with mild odor SPECIFIC GRAVITY (Water= 1): 0.976 g/ml VAPOR PRESSURE: Not established PERCENT VOLATILE (by volume): 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.

> NOEC: 12.5 mg/L NOEC: 7.5 mg/L

10. STABILITY AND REACTIVITY

STABILITY: Stable INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from burning.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

 Acute Oral LD₅₀ (rat): >5000 mg/kg [EPA Category IV]
 Acute D

 Eye Irritation (rabbit): Not an irritant [EPA Category IV]
 Skin Irrit

 Inhalation LC₅₀ (rat): Not established
 Skin Sei

 Carcinogenic Potential: None listed by OSHA, NTP, IARC, and ACGIH as a carcinogenic
 a carcinogenic

12. ECOLOGICAL INFORMATION

Aquatic Acute Toxicity

 Rainbow Trout 96 HR LC₅₀: 17.6 mg/L

 Daphnia Magna 48 HR EC₅₀: 9.3 mg/L

13. DISPOSAL CONSIDERATIONS

Do not reuse product containers. Plastic Jugs: Triple rinse (or equivalent), adding rinse water to spray tank, then offer for recycling at an ACRC site or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

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	
	 Health Flammability Instability 	 Least Slight Moderate High Severe 	 Health Flammability Reactivity H PPE 	
SARA Hazard Notification/Reporting SARA Title III Hazard Category:	Immediate Y Delayed N	Fire Reactive	N 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 LIBERATE[™]

SOLUBILITY: Emulsifies **pH:** 6.8 (1% solution)

Acute Dermal LD₅₀ (rat): >2000 mg/kg [EPA Category IV] Skin Irritation (rabbit): Moderate skin irritant [EPA Category III] Skin Sensitization: Not a sensitizer

BULK DENSITY: 8.14 lbs/gal. BOILING POINT: Not established EVAPORATION RATE: Not established

CONDITIONS TO AVOID: None known.

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/ Regulatory Services

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