

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION OF PRODUCT

LOVELAND INDUSTRIES, INC.
P.O. BOX 1289
GREELEY, COLORADO 80632

EMERGENCY PHONE NUMBERS 1-800-424-9300 CHEMTREC
1-970-356-4400
CALL CHEMTREC 24 HOURS A DAY @ 1-800-424-9300

TRADE NAME: ACTIVATOR 90
CHEMICAL NAME: Alkyl Polyoxyethylen ether and free fatty Acids
CHEMICAL FAMILY: Surfactant

II. HAZARDOUS COMPONENTS OF MIXTURES

COMPONENT	CAS #	%	TLV (UNITS)
None			

III. PHYSICAL DATA

BOILING POINT:	>212°F	VAPOR DENSITY (AIR=1):	0.7
BULK DENSITY:	8.34#/Gallon	% VOLATILE BY VOL:	10.0
SPECIFIC GRAVITY:	1.001	APPEARANCE:	Amber Liquid
SOLUBLE IN WATER:	Complete	ODOR:	Fatty
VAPOR PRESSURE(mm OF Hg) @ 20 D C:	18.2		

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): >230°F (TCC)
 FLAMMABLE LIMITS (UEL AND LEL): Not Avail.
 EXTINGUISHING MEDIA: CO₂, Foam.
 SPECIAL FIRE FIGHTING PROCEDURES: Use fog nozzles if water is used.
 Use air supplied breathing masks.
 UNUSUAL FIRE AND EXPLOSION HAZARD: Keep container tightly closed,
 isolate from oxidizers, heat, open
 flame. Closed containers may explode
 if exposed to extreme heat.

V. REACTIVITY DATA

STABILITY: Stable
 CONDITIONS TO AVOID: Heat & Open Flame
 INCOMPATIBILITY (MATERIALS TO : Strong oxidizers, strong oxidizers
 AVOID) and bases at high temperatures.
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from burning
 HAZARDOUS POLYMERIZATION: Will not occur

 VI. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: May cause nausea, abdominal discomfort, vomiting, diarrhea. Mists may cause chest discomfort and coughing. May cause skin irritation, pain and severe reddening and swelling of the conjunctiva, with possible chemical burns.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with water for 15 minutes, then get medical attention.

SKIN: Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: Call a physician immediately. Induce vomiting promptly.

INHALATION: Remove victim to fresh air. Apply artificial respiration if necessary.

CARCINOGEN STATUS: Not listed by NTP, IARC or ACGIH

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Isolate from oxidizers, heat and open flame. Stop spill at the source. Dike area to prevent spill from spreading. Pump spill to salvage tank. Remaining material should be taken up with absorbent material and shoveled into containers.

WASTE DISPOSAL METHOD: Do not contaminate water, food, or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State, and Local Regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by the appropriate authorities.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved respirator if necessary.

VENTILATION:	LOCAL: Preferable	SPECIAL: None
	MECHANICAL: Acceptable	OTHER: None

PROTECTIVE GLOVES: Wear impervious gloves.

EYE PROTECTION: Wear goggles or a face shield.

OTHER PROTECTION: Full body covering clothing.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN STORAGE AND HANDLING: Store in a cool dry place. Keep in original container, tightly closed. Do not reuse container.

OTHER PRECAUTIONS: Keep out of reach of children.

X. REGULATORY INFORMATION

Components which could require reporting under SARA TITLE III are: None.

CHEMICAL	%	CAS NUMBER
SARA TITLE III HAZARD CATEGORY		
IMMEDIATE:	Yes	FIRE: No REACTIVITY: No
DELAYED:	No	SUDDEN RELEASE OF PRESSURE: No
FREIGHT CLASS:	ITEM 4610	CLASS 60
DOT REGULATION:	Not Regulated	

Legal responsibility is assumed only for the fact that all studies reported here and all opinions are those of qualified experts. Buyer assumes all risks & liability. He accepts & uses this material on these conditions. He must have a copy of this MSDS where this material is handled.

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