

MATERIAL SAFETY DATA SHEET

ACTIVATOR 90

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300
For Exposure or Medical Emergencies, call 1-800-228-5635 extension 136

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Loveland Industries, Inc.
PO Box 1289
Greeley, CO 80632

24 Hour Emergency Phone:
1-800-424-9300
Medical Emergencies
1-800-228-5635 ext. 136

PRODUCT NAME: ACTIVATOR 90

CHEMICAL NAME: Mixture of Alkyl Polyoxyethylene ether (liquid detergent) and free fatty acids and water

CHEMICAL FAMILY: Mixture of Surfactants (liquid detergent)

Date of issue: 05/10/2000 Supersedes: 05/04/99

2. COMPOSITION, INFORMATION ON INGREDIENTS

Component:	Percentage	TLV (Units)
Alkyl Polyoxyethylene ether and free fatty acids	90	None Established
Other Ingredients	10	None established – Not listed as hazardous components

3. HAZARDS IDENTIFICATION SUMMARY

CAUTION: KEEP OUT OF REACH OF CHILDREN.

ACTIVATOR 90 is a non-ionic, low foam surfactant. This product is a amber liquid, with a fatty odor.

Primary routes of entry: Eyes, inhalation and skin contact. See Section 8 for Proper Personal Protective Equipment

4. FIRST AID MEASURES

Eyes:	Flush eyes with water for 15 minutes, get medical attention.
Skin:	Wash with soap and water, remove contaminated clothing. Get medical attention.
Inhalation:	Remove victim to fresh air. If victim has difficulty breathing, seek medical attention.
Ingestion:	Drink 2 glasses of water, induce vomiting. Call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test method):	> 230°F (T.C.C.)
FLAMMABLE LIMITS(LEL & UEL):	None established
EXTINGUISHING MEDIA :	Carbon dioxide, dry chemical and water spray
SPECIAL FIRE FIGHTING PROCEDURES:	Wear a positive pressure self-contained breathing apparatus with proper protective gear.
UNUSAL FIRE AND EXPOSION HAZARD;	None

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Use proper protection equipment, see section 8. Pick up the material with absorbent material and place in a container for proper disposal in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

PRECAUTIONS: Keep out of reach of children. This material may cause skin and eye irritation. Store in a cool dry place. Keep unused material in original container, do not reuse the empty container.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION EQUIPMENT

ENGINEERING CONTROLS: Work in well-ventilated area, local exhaust may be required if working in confined space.

RESPIRATORY PROTECTION:	Wear NIOSH/MSHA approved respirator for pesticide handling if necessary.
PROTECTIVE GLOVES:	Wear rubber or impervious gloves.
EYE PROTECTION:	Wear safety goggles or a face shield.
OTHER PROTECTION:	Long sleeved shirt, long pants, shoes with socks.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: A amber liquid with fatty odor	SOLUBLE IN WATER: Complete
BULK DENSITY: 8.34 lbs./gal	SPECIFIC GRAVITY (Water 1.0): 1.001 grams/ ml
pH: (neat) 6.0	

10. STABILITY AND REACTIVITY

STABILITY: Stable	CONDITIONS TO AVOID: None known
INCOMPATIBILITY(Materials to avoid): Strong oxidizers, strong acids and bases at high temperatures	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide from burning	
HAZARDOUS POLYMERIZATION: Will not occur	

11. TOXICOLOGICAL INFORMATION

Primary Eye and Dermal irritation studies indicate skin and eye irritation may occur from contact with undiluted product.

Acute Oral - LD₅₀ is > 3.87g/kg and <5.0 g/kg.
Acute Dermal - LD₅₀ is > 2.0 g/kg.
Acute Inhalation - LC₅₀ is > 1.432 mg/L.

12. ECOLOGICAL INFORMATION

Aquatic Acute Toxicity - Material is soluble in water.

	<u>96 HR LC50</u>	<u>96 HR No Effect</u>
Guppy	12.7 mg / L	5.8 mg / L
	<u>24 HR EC50</u>	<u>24 HR No Effect</u>
Daphnia Magna	5.2 mg / L	1 mg / L

EC = Effective Concentration

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by disposal or storage. Dispose of in an approved waste disposal facility in accordance with local, state and federal regulations.

CONTAINER DISPOSAL: Triple rinse adding rinse water to spray tank. Offer containers for recycling or dispose of in an approved landfill.

14. TRANSPORT INFORMATION

This material is not regulated by US DOT for highway transportation.

15. REGULATORY INFORMATION

SARA Hazard Notification/Reporting: None

California Proposition 65: This product does not contain any components that are regulated.

SARA TITLE III Hazard Category:

Immediate	<u>YES</u>	Fire	<u>NO</u>	Sudden Release of Pressure	<u>NO</u>
Delayed	<u>NO</u>	Reactive	<u>NO</u>	Extremely Hazardous Substance	<u>NO</u>

16. OTHER INFORMATION

NFPA / HMISHazard Rating:

0 None		1 Slight	1	Health
2 Moderate		0	Flammability	
3 High		0	Reactivity	
4 Severe				

Reviewed by: Environmental/Regulatory Services

Prepared by:

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