

MATERIAL SAFETY DATA SHEET

ULTRA 90-NF

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Issue Date: 01/05

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

ULTRA 90-NF

Common Name: Nonionic surfactant.

Chemical Description: Mixture of alkylphenol ethoxylate, polyethylene glycol, isopropanol and silicone antifoam.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured For

Monterey AgResources

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 431-7390

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Alkylphenol ethoxylate	9016-45-9	55.0	N.A.*	N.P.*
Polyethylene glycol	25322-68-3	30.0	N.A.	N.P.
Isopropanol	67-63-0	4.8	N.A.	N.P.

* N.A. - Not Available.

* N.P. - Not Pertinent

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear yellow liquid with glycol odor. Avoid contact with strong acids, bases or oxidizers. Burning may generate carbon monoxide, phenols and possibly other toxic fumes. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 1
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes.

Get medical attention.

Skin: Wash with plenty of soap and water. Get medical attention.

Ingestion: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	>200°F.
Test Method:	Not available.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Nonflammable.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Burning may generate carbon monoxide, phenols and possibly other toxic fumes.
Extinguishing Media:	CO ₂ , foam or dry chemical.
Special Firefighting Procedures:	Avoid spreading liquid and fire by water flooding. Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Keep away from strong alkalines, acids and/or oxidizing agents. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Wash thoroughly after handling. Remove contaminated clothing and wash thoroughly before reuse. Do not contaminate feed and foodstuffs. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

Skin: Waterproof gloves and coveralls.

Respiratory: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

Ventilation: Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance: Clear yellow liquid.

Odor: Glycol odor.

pH: 6.5

Vapor Pressure: Not available.

Vapor Density (Air=1): >1.0

Boiling Point: Decomposes.

Freezing Point: Not available.

Water Solubility: Emulsifiable.

Density: 8.84 lbs./gal.

Evaporation Rate: Not available.

Viscosity: Not available.

% Volatile: 13.0

Octanol/Water Partition Coefficient: Not available.

Saturated Vapor Concentration: Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions To Avoid: Avoid contact with strong acids, bases or oxidizers.

Incompatibility: Not available.

Hazardous Decomposition Products: Burning may generate carbon monoxide, phenols and possibly other toxic fumes.

Hazardous Polymerization: Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes: Moderate to severe irritant. Causes substantial but temporary eye injury. Corneal involvement and/or irritation clears in 10-17 days.

Skin: Mild irritant, especially from prolonged exposure. May cause redness.

Ingestion: Harmful if swallowed. May cause stomach cramps and/or nausea.

Inhalation: None expected but aerosol mist may cause mild irritation of nasal mucous membranes.

Subchronic Effects: None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T. SHIPPING INFORMATION:	Not D.O.T. Regulated.
OTHER SHIPPING INFORMATION:	Adhesives, Adjuvants, Spreaders or Stickers, Liquid. NMFC Item 4612, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): None.

SECTION 16. OTHER

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