

MATERIAL SAFETY DATA SHEET

FIRST CHOICE® CROP OIL CONCENTRATE

Page 1 of 4

Issue Date: 02/01

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

FIRST CHOICE® CROP OIL CONCENTRATE

Common Name: Nonionic surfactant.
Chemical Description: Mixture of petroleum distillate and alkylphenoxy polyethoxy ethanols.
TSCA/CAS No.: This product is a mixture — there is no specific CAS No.

Manufactured For

Western Farm Service, Inc.
P. O. Box 1168
Fresno, CA 93715
(559) 438-6133

Emergency Phone Numbers

Emergency Telephone: CHEMTREC (24-Hour Response): (800) 424-9300
EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

<u>CHEMICAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RQ (lbs)</u>
POE Nonylphenol	9016-45-9	16.0	N.A.*	N.P.*

*N.A. - Not Available.

N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Viscous amber liquid with slight petroleum odor. Avoid contact with strong acids, bases or oxidizing agents. Burning may result in formation of carbon monoxide, phenols and possibly other toxic fumes.. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 1 ENVIRONMENT: 0

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Immediately flush eyes with plenty of water and get medical attention.
Skin: Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. If irritation persists, seek medical attention.
Ingestion: Call a physician or Poison Control Center immediately. If victim is conscious, administer water or milk for dilution. Do not give sodium bicarbonate, fruit juices, or vinegar. Do not give anything by mouth to an unconscious person.
Inhalation: Move to fresh air.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	>204°F.
Test Method:	ASTM D-93
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Not available.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	Burning may generate carbon monoxide, phenols and possibly other toxic fumes.
Extinguishing Media:	Water, foam, CO ₂ , dry chemical.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

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

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Keep away from strong 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:	Harmful if swallowed. May cause irritation of eyes, nose, throat and 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 such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

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:	Impervious gloves and clothes.
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:	Slightly viscous amber liquid.
Odor:	Slight petroleum odor.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density (Air=1):	>1.0
Boiling Point:	Decomposes.
Freezing Point:	Not available.
Water Solubility:	Emulsifiable.
Density:	7.51 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	Not available.
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 oxidizing agents.
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:	Irritant. Causes redness and/or burning.
Skin:	Mild irritant, especially from prolonged exposure. May cause redness, drying and cracking.
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. 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: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

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