

MATERIAL SAFETY DATA SHEET

FIRST CHOICE ORANJ-ALL

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Issue Date: 08/01

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

FIRST CHOICE® ORANJ-ALL

CA Reg. No. 11656-50109-AA

Chemical Description: D-Limonene surfactant.

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

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

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Paraffinic hydrocarbons	64742-47-8	50.0	N.A.	N.P.
Limonene	5989-27-5	41.0	N.A.	N.P.
Ethylene glycol n-butyl ether	000111-76-2	2.0	25 ppm	N.P.

* N.A. - Not available.

* N.P. - Not pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear amber liquid with strong citrus odor. Causes eye irritation. Harmful if swallowed or absorbed through skin. Contain any liquid runoff. D.O.T. regulated as a combustible liquid.

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

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

SECTION 4. FIRST AID

Eyes: Flush eyes with plenty of water. Get medical attention if irritation persists.

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

Ingestion: Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or if available by administering syrup of ipecac. DO NOT induce vomiting or give anything by mouth to an unconscious person.

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

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	133°F
Test Method:	ASTM D56
LEL Flammable Limits:	Not applicable.
UEL Flammable Limits:	Not applicable.
Autoignition Temperature:	Not applicable.
Flammability Classification:	Combustible.
Known Hazardous Products of Combustion:	Oxides of carbon.
Properties that Initiate/Contribute to Intensity of Fire:	Not applicable.
Potential For Dust Explosion:	Not applicable.
Reactions that Release Flammable Gases or Vapors:	None known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None known.
Extinguishing Media:	CO ₂ or foam.
Special Firefighting Procedures:	Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. 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 according to local, state and federal regulations.
Evacuation:	Not necessary but restrict entry.

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. Do not store in contact with aluminum, copper, tin, zinc or galvanized metals. Do not contaminate water, food, feeds, seeds, fertilizers, insecticides or fungicides. 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 eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. 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:	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:	Clear amber liquid.
Odor:	Strong citrus odor.
pH:	4.0 - 4.5
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Not available.
Density:	6.89 - 6.91 lbs./gal.
Evaporation Rate (butyl acetate = 1):	Not available.
Viscosity:	5.0 centipoises.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Do not store near strong acids, alkalis or oxidants.
Incompatibility:	Strong oxidizing agents.
Hazardous Decomposition Products:	Burning can result in carbon monoxide and/or carbon dioxide.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Mild irritant. Causes redness.
Skin:	Slight irritant, especially from prolonged exposure. May cause redness.
Ingestion:	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. Proper Shipping Description:

Ground transport (motor freight or rail):

Not applicable for non-bulk packaging [See 49 CFR 173.150(f)(2)].

Air / Water transport:

Flammable Liquid, N.O.S. (Petroleum Distillates), 3, UN1993, PG III.

Other Shipping Description:

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: Ethylene glycol n-butyl ether (2.0%).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.