

2787 W. Bullard, Suite 101
P. O. Box 1168
Fresno, CA 93715-1168
(559) 436-2800
Fax: (559) 436-2953



*The Best People. The Best Products.
The Best Service.*

MATERIAL SAFETY DATA SHEET NO. 474

1. IDENTIFICATION

Product name: **FIRST CHOICE NEUTRALIZER**
Chemical name of active ingredient(s): Alkylaryl polyoxyethylene glycols, isopropanol, phosphoric acid
Chemical Class: Spray Adjuvant
Chemical Description: Liquid mixture of non-ionic surfactants; no specific CAS No.
Registrant/Manufacturer: Western Farm Service, Inc.
P.O. Box 1168
Fresno, CA 93715
(559) 436-2800
Telephone: (559) 436-2800
For fire, spill, and/or leak emergencies, contact: CHEMTREC: 1-800-424-9300
For medical emergencies and health and safety inquiries, contact: National Poison Control Center: 1-800-222-1222

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on hazardous ingredients *

MATERIAL	CAS Number	OSHA/PEL	ACGIH/TLV	RTEC
Isopropyl alcohol	67-63-0	400 ppm	400 ppm	NT80500000
Phosphoric acid	7664-38-2	Not available	Not available	TB6300000
Polydimethylsiloxane	9016-00-6	Not available	Not available	TQ2690000
Proprietary nonionic surfactant	NA	Non-hazardous	Non-hazardous	Non-hazardous

3. HAZARDS IDENTIFICATION

SYMPTOMS OF ACUTE EXPOSURE: This product may cause severe eye irritation, skin, respiratory and gastrointestinal irritation and central nervous system depression. Inhalation or ingestion may cause nausea, weakness, fatigue, headache and diarrhea.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is corrosive. During thermal decomposition phosphoric acid produces oxides of phosphorous.

UNUSUAL FIRE, EXPLOSION, AND REACTIVITY HAZARDS: This product is considered flammable for purposes of transportation and storage. It is corrosive. Keep away from alkali products and mild steel.

4. FIRST AID

IF SWALLOWED: Send for physician. Do not induce vomiting. Give large volumes of water. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Wash all contaminated areas, including hair, with soap and plenty of water. Prolonged contact may cause irritation. Seek medical attention if skin irritation persists.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Send for physician.

IF INHALED: Remove victim to fresh air. Send for physician. If not breathing, immediately give artificial respiration, preferably mouth-to-mouth, and maintain until doctor sees victim. If breathing is difficult, give oxygen.

MEDICAL CONDITION LIKELY TO BE AGGRAVATED BY EXPOSURE: Pre-existing medical conditions involving any of the above listed organs may be aggravated by exposure to this product. Specific pre-existing conditions, if noted, are included in the symptoms and acute and chronic health effects sections below.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION:

	Isopropyl Alcohol	Phosphoric Acid	Polydimethyl Siloxane	Non-ionic surfactant
Flash Point (test method)	117°F (Tag Closed Cup)	Not available	Not available	440°F Cleveland
Upper Flammable limits (% in air)	12.7	None	Not available	Not available
Lower Flammable limits (% in air)	2.0	None	Not available	Not available
Autoignition Temp.	750°F	Not available	Not available	Not available
Flammability	Not available	Not available	Not available	Not available

UNUSUAL FIRE, EXPLOSION, AND REACTIVITY HAZARDS: Phosphoric acid is involved. Avoid strong oxidizers or caustics. Wear appropriate fire fighting gear. This product is flammable.

IN CASE OF FIRE: Evacuate nonessential people. Isolate area and deny entry. Use large amount of water as the extinguishing media as a fog. Solid streams of water may spread fire. Wear full protective clothing and self-contained breathing apparatus. Prevent use of contaminated buildings, area, and equipment until decontaminated. Do not move containers if exposure to heat has occurred. Cool all affected containers from the side until well after fire is out with flooding quantities of water.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK: Isopropyl alcohol has a CERCLA reportable quantity of 100 lbs. Phosphoric acid has a CERCLA reportable quantity of 5,000 lbs. Polydimethylsiloxane does not have a CERCLA reportable quantity listed. Spills exceeding these limits must immediately be reported to the EPA National Response Center.

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeve shirt, long pants, head covering, and a NIOSH-approved chemical cartridge respirator with organic vapor precartridges or a self-contained breathing apparatus (SCBA). For small spills cover with an absorbent material such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up, and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

For large spills, dike or dig pits for containment. Pump liquids into waste containers. The remaining liquids can be absorbed. Flush area with water to dilute to harmless solution.

In all spill or leak situations, keep sparks, flames and other ignition sources away. Keep material out of water sources and sewers. Attempt to stop the leak or spill only if without hazard. Use water spray to knock down vapors.

7. HANDLING AND STORAGE

HANDLING: Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling. Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Remove contaminated clothing and wash thoroughly.

STORAGE: Keep in the original container. Do not reuse container. Store the material in a cool, dry, well-ventilated and secure area out of the reach of children and domestic animals. Protect from excessive heat. Do not store food, beverages, or tobacco products in the storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, and packaging of the product. For commercial applications and on-farm applications, consult the product label.

INGESTION: Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

EYE CONTACT: Avoid eye contact. Wear safety glasses with side shields or chemical goggles. As a general rule, do not wear contact lenses when handling.

SKIN CONTACT: Avoid skin contact. Wear rubber gloves, rubber boots, long-sleeve shirt, long pants, and a head covering.

RESPIRATORY PROTECTION: Avoid breathing vapor or mist. Wear a NIOSH-approved chemical cartridge pesticide respirator with organic vapor precartridges or a supplied-air respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear pink/red liquid

ODOR: Moderate alcohol

MELTING POINT: N/A

SPECIFIC GRAVITY/DENSITY: 8.92 lbs/gal

pH: 1.78

SOLUBILITY IN WATER: N/A

VAPOR PRESSURE: 26% volatiles @ 113°F

10. STABILITY AND REACTIVITY

STABILITY: Stable under standard conditions.

CONDITIONS TO AVOID: This product is strongly acidic. Do not mix with alkalis or store in mild steel.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorous produced under thermal decomposition.

INCOMPATIBILITY MATERIALS: Strong oxidizes, caustic materials

11. TOXICOLOGICAL INFORMATION

Ingredients:

- Isopropyl alcohol: eyes, skin, nasal septum, blood, central nervous system, cardiovascular system, kidneys, gastrointestinal
- Phosphoric acid: eyes, skin, mucous membranes, respiratory system, gastrointestinal, cardiovascular system
- Polydimethylsiloxane: eyes, skin, gastrointestinal
- Nonionic surfactant: eyes, skin, gastrointestinal

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: This product, when used as directed by the label, is not expected to have any significant impact on the environment.

13. DISPOSAL CONSIDERATIONS:

PESTICIDE DISPOSAL: Do not reuse product containers. Do not contaminate food, feed, or water by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. In case of minor spills, follow all precautions indicated above and clean up immediately. Sweep up and dispose of wastes and broken or empty containers in a landfill approved for pesticide use.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CHARACTERISTIC WASTE: Not applicable.
LISTED WASTE: Not applicable.

14. TRANSPORT INFORMATION:

DOT CLASSIFICATION: Not regulated by DOT unless transported in bulk containers
B/L FREIGHT CLASSIFICATION: Adhesives, adjuvants, spreaders or stickers, liquid
(NMFC Item 4612, Class 60)

INTERNATIONAL TRANSPORTATION: Not applicable

15. REGULATORY INFORMATION:

SARA TITLE III CLASSIFICATION:
SECTION 311/312: Acute Health

SECTION 313 (chemicals): Phosphoric acid, isopropyl alcohol

Proposition 65: Not applicable
CERCLA Reportable Quantity (RQ): Isopropanol 100 lbs; phosphoric acid 5000 lbs.
RCRA CLASSIFICATION: Not Applicable
TSCA STATUS: Not Applicable

16. OTHER INFORMATION:

NFPA HAZARD RATINGS

HEALTH:	3	0	LEAST
FLAMMABILITY:	1	1	SLIGHT
REACTIVITY:	1	2	MODERATE
ENVIRONMENT:	1	3	HIGH
		4	SEVERE

MSDS ISSUED: 11/29/04

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