

WESTERN FARM SERVICE, INC.

IN CASE OF EMERGENCY, CALL CHEMTREC
UNITED STATES: 1-800-424-9300
INTERNATIONAL: 1-202-483-7616

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **FIRST CHOICE® A PLUS SPREADER**
SYNONYMS: Nonionic Surfactant
GENERIC DESCRIPTION: Low Foam Surface Active Agent

2. HAZARDOUS INGREDIENTS

OSHA REGULATED COMPONENTS COMPONENT	CAS. NO.	WT %	EXPOSURE LIMITS
None known			

3. EFFECTS OF OVEREXPOSURE

EYE: May cause severe irritation.

SKIN: Short and long term exposure can irritate and cause redness and swelling.

INHALATION: Excessive vapors or mist may cause irritation to nose and throat, headache, nausea and vomiting.

ORAL: Aspiration may occur during swallowing or vomiting, resulting lung damage. Contains Ethylene Glycol and/or Diethylene Glycol, which are toxic when swallowed. A lethal dose for an adult is 1-2 ml per kilogram, or about 4 ounces (one-half cup). Symptoms include headache, weakness, confusion, dizziness, staggering, slurred speech, loss of coordination, faintness, nausea and vomiting, increased heart rate, decreased blood pressure, difficulty breathing and seeing, pulmonary edema, unconsciousness, convulsions, collapse, and coma. Symptoms may be delayed. Decrease urine output and kidney failure may also occur. Severe poisoning may cause death.

THE ABOVE LISTED POTENTIAL EFFECTS OF OVEREXPOSURE ARE BASED ON ACTUAL DATA,, RESULTS OF STUDIES PERFORMED UPON SIMILAR COMPOSITIONS, COMPONENT DATA AND/OR EXPERT REVIEW OF THE PRODUCT. OVEREXPOSURE TO ANY CHEMICAL MAY RESULT IN ENHANCEMENT OF PRE-EXISTING ADVERSE MEDICAL CONDITION AND ALLERGIC REACTIONS.

4. EMERGENCY FIRST AID

EYES: Flush eyes with water for 15 minutes. Get medical attention if irritation persists.

SKIN: Wash skin with soap and water. Do not use solvents. Get medical attention if irritation develops or persists.

INHALATION: If irritation, headache, nausea or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist. Give CPR if required.

INGESTION: If conscious and can swallow, give two glasses of water (16 oz.). Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs, give fluids again. Have a physician determine if condition of person will permit induction of vomiting or evacuation of stomach.

5. REACTIVITY DATA

STABILITY:	Stable.
CONDITIONS TO AVOID:	None.
POLYMERIZATION:	Will not occur.
INCOMPATIBILITY:	Strong oxidizing agents such as hydrogen peroxide, bromine and chromic acid.
DECOMPOSITION:	None known.
SUBJECT TO HEAT:	Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning. Heating in air may produce irritating aldehydes, acids and ketones.

6. NFPA HAZARD RATING (National Fire Protection Association)

Fire 1	FIRE:	Materials that must be preheated before ignition can occur.
Health 2 0 Reactivity -	HEALTH:	Materials which on exposure should cause irritation but only minor residual injury if treatment is given.
Specific Hazard	REACTIVITY:	Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

7. PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Amber / Mild Odor
BOILING POINT:	NA
VAPOR PRESSURE (mmg of Hg):	NA
SPECIFIC GRAVITY:	1.056(+/- .05)
VAPOR DENSITY (AIR=1):	>1
% VOLATILE (BY WGT.%):	<15
pH OF CONCENTRATE:	5.5 to 6.5
SOLUBILITY IN WATER:	Soluble

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>200 °F (COC)
FLAMMABLE LIMITS:	Not Available
FIRE FIGHTING:	According to NFPA guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.
UNUSUAL FIRE HAZARD:	None

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Empty containers can be hazardous if used to store toxic, flammable or reactive material. Do not use with Aluminum equipment at temperatures above 120 °F. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container in cool storage place with closed drum bungs.
OTHER PRECAUTIONS:	Keep out of reach of children.

10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	None required for normal use.
VENTILATION:	Normal room ventilation (mechanical) should be satisfactory.
PROTECTIVE GLOVES:	PVC-coated.
EYE PROTECTION:	Wear goggles or a face shield.
OTHER PROTECTION:	Full body protective suit, eye wash and safety shower.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:	Material should be collected and disposed in proper manner. Avoid discharge to natural waters as concentrated material is highly toxic to fish. Wear suitable protective equipment.
WASTE DISPOSAL:	Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.
CONTAINER DISPOSAL:	Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

Sara regulated compounds	Section	CAS NO.	Percent
No compounds present in quantities which are regulated.			

The recommendation for safe handling and protection procedures are believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

WESTERN FARM SERVICE, INC.

P.O. BOX 1168
FRESNO, CA 93715-1168
559-436-2800