

# MATERIAL SAFETY DATA SHEET

## MANUFACTURER

United Agricultural Services of America, Inc.  
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EMERGENCY INFORMATION  
352-793-1682

## SECTION I - PRODUCT IDENTIFICATION

DATE PREPARED: May 01, 1994

PRODUCT NAME: **NITRO-FIX**

GENERAL/GENERIC ID: SOIL INOCULANT (SOLUBLE GRANULE)

DOT SHIPPING CLASS: 70

HAZARD CLASSIFICATION: Health-0, Fire-0, Reactivity- 0

HAZARD CLASSIFICATION KEY: 0-least, 1-slight, 2-moderate, 3-high, 4-extreme

## SECTION II -HAZARDOUS INGREDIENTS

COMPONENT	CAS NUMBER	PERCENT	ACGIH TLV
VIABLE BACTERIAL CULTURES	N/A	.13%	N/A

(\*) INDICATES HAZARDOUS INGREDIENTS, WHICH ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THE CHEMICAL NAME, CAS# AND PERCENT BY WEIGHT INFORMATION MUST BE INCLUDED IN ALL MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): N/A

VAPOR PRESSURE (mm Hg): N/A

SOLUBILITY (in water): COMPLETE

APPEARANCE AND ODOR: DARK BROWN / GREY SOLUBLE, EARTH ODOR

pH OF CONCENTRATE: 7.0

SPECIFIC GRAVITY: N/A

VAPOR DENSITY (air=1): N/A

EVAPORATION RATE: N/A

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (F): None

FLAMMABLE LIMITS: N/A

LEL: N/A

VEL: N/A

EXTINGUISHING MEDIA: Water, water fog or foam.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

## SECTION V - REACTIVITY DATA

STABILITY: Product is stable.

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Strong Acids or Alkali and strong Oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide and Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

**CONDITIONS TO AVOID:** None

### SECTION VI - HEALTH HAZARD DATA

**ROUTE(S) OF ENTRY:**

**INHILATION:** NO      **SKIN:** NO      **INGESTION:** UNLIKELY

**HEALTH HAZARDS (ACUTE & CHRONIC):** Eye contact may cause irritation. Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

**CARCINOGENICITY:** NO  
**OSHA REGULATED:** NO

**IARC MONOGRAPHS:** NO  
**NTP:** NO

**SIGNS AND SYMPTOMS OF EXPOSURE:** Eye irritation. Dry and/or red itchy skin.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None Known

**\*\*\*EMERGENCY AND FIRST AID PROCEDURES\*\*\***

**INGESTION:** DO NOT INDUCE VOMITING; CONTACT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. OFFER SMALL AMOUNTS OF WATER OR MILK.

**EYE CONTACT:** FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**SKIN CONTACT:** FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**SPILL STEPS:** Contain spill and recover product for use or disposal.

**WASTE DISPOSAL METHOD:** If product can not be disposed of according to use directions on label, dispose of in accordance with local, state and federal regulations.

**STORAGE & HANDLING:** Store in a cool dry area. Keep container closed when not in use. Keep out of reach of children.

### SECTION VIII - CONTROL MEASURES

**RESPIRATORY PROTECTION:** If mist or dust conditions should be present use a respirator approved by NIOSH.

**VENTILATION:** Adequate ventilation required to maintain fresh air flow.

**LOCAL EXHAUST:** Adequate

**EYES AND FACE:** Goggles or face shield

**HANDS, ARMS AND BODY:** Adequate clothing should be worn to prevent skin contact.

**WORK/HYGIENIC PRACTICES:** Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

**SPECIAL CLOTHING AND EQUIPMENT:** Eye bath, safety shower and oxygen mask.

### WARRANTY

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