

# MATERIAL SAFETY DATA SHEET

## MANUFACTURER

United Agricultural Services of America, Inc.  
534 CR 529A, Lake Panasoffkee, FL 33538

## EMERGENCY INFORMATION

(352-793-1682)

## SECTION I - PRODUCT IDENTIFICATION

**DATE PREPARED:** May 01, 1999

**PRODUCT NAME:** pHORUS 5-30-10

**GENERAL/GENERIC ID:** H<sub>3</sub>PO<sub>3</sub> LIQUID FERTILIZER This product contains no less than 3.9 lbs of H<sub>3</sub>PO<sub>3</sub> per gallon

**DOT SHIPPING CLASS:** 70

**HAZARD CLASSIFICATION:** Health-2, 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
NONE			

(\*) 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):** 212 F

**VAPOUR PRESSURE (mm Hg):** N/A

**SOLUBILITY (in water):** COMPLETE

**APPEARANCE AND ODOR:** Clear thick LIQUID, Neutral smell,

**pH OF CONCENTRATE:** 6.3

**SPECIFIC GRAVITY:** 1.3

**VAPOUR 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, Carbon Dioxide (CO<sub>2</sub>) water fog, dry chemical 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

**EYES AND FACE:** Wear goggles and avoid contact with skin. Wash immediately if contact occurs.

**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 cannot 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 respirator approved by NIOSH.

**VENTILATION:** Adequate ventilation required to maintain fresh airflow.

**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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## Disclaimer

Always read label instructions:

It is recommended not to use this product with fungicides or pesticides. However if this product is applied with a fungicide or pesticide, it is the applicators or users responsibility to conduct a trail application on the crop or crops to be sprayed with this mix of chemicals to determine compatibility of products and compatibility with crop(s) sprayed