

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: September, 2000

PRODUCT NAME: pHORUS 0-19-0

GENERAL/GENERIC ID: H₃PO₃ LIQUID FERTILIZER This product contains no less than 2.5 lbs of H₃PO₃ per gallon

DOT SHIPPING CLASS: 70

HAZARD CLASSIFICATION: Health-1, 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: BLUE CLEAR LIQUID, ODORLESS.

pH OF CONCENTRATE: 5.8-6.1

SPECIFIC GRAVITY: 1.21

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, 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:

INHALATION: 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

IARC MONOGRAPHS: NO

OSHA REGULATED: 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 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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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