ATTN: SAFETY DIRECTOR
UNIV. OF WISC-WHITEWATER
PURCHASING OFFICE
800 W MAIN ST
WHITEWATER WI 53190-1705

EMERGENCY PHONE 1-314-771-5765
DATE: 09/27/94
CUST #: 2-097-94816
PO#: UNE-51497

MATERIAL SAFETY DATA SHEET

SECTION 1. --- --- --- --- CHEMICAL IDENTIFICATION
PRODUCT #: A6756
NAME: ARSENIC ACID SODIUM

SECTION 2. --- --- --- COMPOSITION/INFORMATION ON INGREDIENTS
CAS #: 10043-35-0
MF: H2AS3O4
SYNONYMS:
DIBASIC SODIUM ARSENATE • DISODIUM ARSENATE • HEPHTAHYDRATE • SODIUM
ACID ARSENATE • HEPHTAHYDRATE • SODIUM ARSENATE • DIBASIC • HEPHTAHYDRATE • SODIUM ARSENATE • SODIUM ARSENATE

SECTION 3. --- --- --- HAZARDS IDENTIFICATION
LABEL PRECAUTIONARY STATEMENTS
HIGHLY TOXIC (USA DEFINITION)
VERY TOXIC (EUROPEAN DEFINITION)
IRRITATING BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
DANGER: CONTAINS INORGANIC ARSENIC. CANCER HAZARD. HARMFUL IF INHALED OR SWALLOWED USE ONLY WITH ADEQUATE VENTILATION OR RESPIRATORY PROTECTION.
TARGET ORGAN(S):
SKIN
LUNGS

SECTION 4. --- --- --- FIRST-AID MEASURES
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL
REPERATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN IMMEDIATELY.
DISCARD CONTAMINATED CLOTHING AND SHOES.

SECTION 5. --- --- --- FIRE FIGHTING MEASURES
EXTINGUISHING MEDIA
NONCOMBUSTIBLE.
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
CONTINUED ON NEXT PAGE
PRODUCT #: A6756
MF#: H1ASMA204

NAME: ARSENIC ACID SODIUM

SPECIAL FIREFIGHTING PROCEDURES:
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS:
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6.
ACCIDENTAL RELEASE MEASURES:
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
Sweep up, place in a bag and hold for waste disposal.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7.
HANDLING AND STORAGE:
REFER TO SECTION 8.

SECTION 8.
EXPOSURE CONTROLS/PERSONAL PROTECTION:
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN OR CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
HIGHLY TOXIC.
IRRITANT.
KEEP TIGHTLY CLOSED.
HYDROSCOPIC.
STORE IN A COOL, DRY PLACE.

SECTION 9.
PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE AND ODOR:
WHITE CRYSTALS
PRODUCT #: A6756
NAME: ARSENIC ACID SODIUM
MF #: HNASMA2C4

SECTION 10: STABILITY AND REACTIVITY

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG ACIDS
ABSORBS CO2 FROM AIR.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
ARSENIC OXIDES

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
CAUSES DERMATITIS.

CHRONIC EFFECTS
CARCINOGEN.
TARGET ORGAN(S):
SKIN
LUNG

RTCS NO: CDG0000000
ARSENIC ACID, H4SODIUM SALT, HEPHTAHYDRATE

TOXICITY DATA
INS-MUS LD50: 87360 UG/KG
TARGET ORGAN DATA
BEHAVIORAL (NOXIDATION)
BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)
BEHAVIORAL (ATAxia)
EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
EFFECTS ON FERTILITY (FETUS SIZE)
EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)
EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (CENTRAL NERVOUS SYSTEM)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (EYE, EAR)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (CRANIOFACIAL)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (BODY WALL)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (MUSCULOSKELETAL SYSTEM)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (URINARY SYSTEM)
SPECIFIC DEVELOPMENTAL ABNORMALITIES (OTHER DEVELOPMENTAL ABNORMALITIES)

CONTINUED ON NEXT PAGE
MATERIAL SAFETY DATA SHEET

CUST#: 2-097-94816
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PRODUCT #: A6756
MF #: H413A12D4

NAME: ARSENIC ACID SODIUM

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (REACT) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN REACTS FOR COMPLETE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS

THE MATERIAL SHOULD BE DISSOLVED IN 1) WATER; 2) ACID SOLUTION OR 3) OXIDIZED TO A WATER-SOLUBLE STATE, PRECIPITATE THE MATERIAL AS THE SULFIDE, ADJUSTING THE pH OF THE SOLUTION TO 7 TO COMPLETE PRECIPITATION, FILTER THE INSOLUBLES AND DISPOSE OF THEM IN A HAZARDOUS- WASTE SITUATION. DESTROY ANY EXCESS SULFIDE WITH SODIUM HYPOCHLORITE. NEUTRALIZE THE SOLUTION BEFORE FLUSHING DOWN THE DRAIN. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. REGULATORY INFORMATION

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV: TWA 0.2 mg/(AS)/H3
OSHA STANDARD: TWA 0.5 mg/(AS)/H3
DNEL: 3,19,71
OSHA CANCER HAZARD:
CER/G0R 29,139,10,18,87
DEU-ARAB REPUBLIC OF EGYPT: TWA 0.2 mg/(AS)/H3 JAN93
DEU-AUSTRALIA: TWA 0.05 mg/(AS)/H3; CARCINOGEN JAN93
DEU-CZECHOSLOVAKIA: TWA 0.2 mg/(AS)/H3 JAN93
DEU-DENMARK: TWA 0.05 mg/(AS)/H3 JAN93
DEU-FINLAND: CARCINOGEN JAN93
DEU-FRANCE: TWA 0.2 mg/(AS)/H3 JAN93
DEU-HUNGARY: STEL 0.5 mg/(AS)/H3; CARCINOGEN JAN93
DEU-INDIA: TWA 0.2 mg/(AS)/H3 JAN93
DEU-THE PHILIPPINES: TWA 0.5 mg/(AS)/H3 JAN93
OSHA POLAND: TWA 0.3 mg/(AS)/H3 JAN93

CONTINUED ON NEXT PAGE
ARSENIC ACID SODIUM

OTHER INFORMATION:

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