

USABlueBook

3781 Bur Wood Dr., Waukegan, IL 60085 (847-689-3000)

Emergency Telephone No.: 800-535-5053

Section 1 – Chemical Product and Company Identification

Catalog Number: 29919

Product Identity: Phenylarsine Oxide 0.00564N

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331

Emergency Contact Number (24hr): InfoTrac (800) 535-5053

Section 2 – Composition, Information on Ingredients

Phenylarsine Oxide, CAS# 637-03-6, <1 w/v, ACGIH TLV: NA, OSHA PEL: NA

Sodium Hydroxide, CAS# 1310-73-2, <1% w/v, ACGIH TLV: C 2mg/m³, OSHA PEL: 2mg/m³

Water, purified, CAS# 7732-18-5, >98% w/v, ACGIH TLV: NA, OSHA PEL: NA

Section 3 – Hazard Identification

Emergency Overview: Warning. Toxic. Contains a known carcinogen. May be fatal if ingested. If ingested, dilute with water or milk immediately, but do not induce vomiting. Wash areas of contact with water. Get medical attention.

Target Organs: Gastrointestinal tract, eyes, skin, lymphatic system, cardiovascular system, respiratory system, central nervous system, lungs, kidneys, liver

Potential Health Effects

Eyes: May cause irritation, redness, pain, tearing

Skin: May cause irritation, redness, pain

Ingestion: Arsenic is highly toxic. May cause burning in the esophagus, bloody diarrhea, vomiting, weakness, low blood pressure, cramps, cold and clammy skin, headache, damage to the kidneys and liver, convulsions, and coma. Expected to be a fetal toxin.

Inhalation: May cause inflammation of the mucous membranes, foamy sputum, coughing, cyanosis, restlessness, dyspnea

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Section 5 – Fire Fighting Measures

Flash Point: NA

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

NFPA Rating: (estimated) Health: 2; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Absorb with suitable material and containerize for disposal. Do not flush to sewer. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.
Storage: Keep Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls: Normal ventilation is adequate.
Respiratory Controls: Normal ventilation is adequate.
Skin Protection: Chemical resistant gloves.
Eye Protection: Safety Glasses or goggles.

Section 9 – Physical and Chemical Properties

Appearance: Clear to hazy, colorless to light tan liquid
pH: NA
Boiling Point: Approx 100C
Melting Point: Below 0

Odor: Odorless
Solubility in Water: Infinite
Specific Gravity: Approx 1
Vapor Pressure: NA

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatibility: Acids, tannic acid, hydrogen fluoride, iron, mercury, sodium chlorate
Hazardous Decomposition Products: Emits toxic fumes of arsenic
Hazardous Polymerization: Does not occur

Section 11 – Toxicological Information

LD50 orl-rat: 0.79mg/m3 (Phenylarsine Oxide)

LC50 inhalation-rat: NA

Section 12 – Ecological Information

Ecotoxicity: Expected to be slightly toxic to aquatic life.

Section 13 – Disposal Considerations

Absorb with suitable material and containerize for disposal. Do not flush to sewer.

All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste.

Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT - Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are considered hazardous by OSHA.
TSCA: The components of this solution are listed on the TSCA Inventory
SARA Title III Section 313: Not Applicable
RCRA Status: Not Applicable
CERCLA Reportable Quantity: Sodium Hydroxide – 1000 lb
WHMIS: D-2A: Poisonous and Infectious Material. Material causing other toxic effects – very toxic material.

Section 16 – Additional Information

Issue Date: 3/1/07
Revision Date: 07/07/08, 11/19/09