

Safety Data Sheet

1. IDENTIFICATION:

Product Name: PHENYLARSENE OXIDE SOLUTION 0.00564N
Synonyms: N/A
CAS Number: Mixture
Catalog Numbers: 10205 10199 10211 W2T12533 W2T16224 W2T14942
Product Use: Analytical / Laboratory Reagent
Manufacturer: HF Scientific, Inc
Address: 3170 Metro Parkway Fort Myers, FL 33916

General Information: 888-203-7248
Transportation Emergency Number: CHEMTREC® 24 hr US 800-424-9300
 CHEMTREC® 24 hr International 703-527-3887

2. HAZARDS IDENTIFICATION

GHS Classification

Health	Environmental	Physical
Acute toxicity: Category 3 Skin irritation: Category 2 Eye irritation: Category 2A Specific target organ toxicity following single exposure: Category 3 Carcinogenicity: Category 2	Acute hazards to the aquatic environment: Category 2 Long-term hazards to the aquatic environment: Category 4	Flammable: No

GHS Label

Pictogram:	Signal Word:
	DANGER WARNING
Hazard Statements:	Precautionary Statements
Toxic if swallowed Toxic if inhaled Causes skin irritation Causes serious eye irritation May cause respiratory irritation Suspected of causing cancer	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. IF exposed or concerned follow the instruction in sections 4 & 8. IF SWALLOWED get medical aid immediately. DO NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. IF ON SKIN remove contaminated clothing. Flush contaminated area with copious quantities of water for 15 minutes, follow with soap and water. Call a physician if irritation persists. IF INHALED remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. IF IN EYES immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Use fingers to assure that eyelids are separated and that eye is being irrigated. Get medical advise if irritation develops. Store in a well-ventilated place. Dispose of contents/containers in accordance with local/regional/national/international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Cas Number	Weight %
Water	7732-18-5	77%
Phenylarsene Oxide	637-03-6	23%

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes gently with copious quantities of water for a minimum of 15 minutes. Use fingers to assure that eyelids are separated and that eye is being irrigated. Get medical advice if irritation develops.
Skin Contact: Remove contaminated clothing. Flush contaminated area with copious quantities of water for 15 minutes, follow with soap and water. Call a physician if irritation persists.
Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Ingestion: Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, carbon dioxide, water spray or regular foam.
Fire Fighting Procedures: Move containers from fire area if possible. Avoid breathing vapors or dusts; keep upwind.
Unusual Fire and Exposure Hazards: No acute hazard.
Combustion Products: N/A
NFPA Classification HEALTH: 3 **FLAMMABLE:** 1 **REACTIVITY:** 0

6. ACCIDENTAL RELEASE MEASURES

Cover with soda ash. Scoop up and place in a suitable container.

7. HANDLING AND STORAGE

Handling: Wash well after handling. Avoid breathing vapors.
Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:
 OSHA Permissible Exposure Limit (PEL): 0.5 mg/m³ (TWA)
 ACGIH Threshold Limit Value (TLV): 0.2 mg/m³ (TWA)
 NIOSH/ 15 min. Ceiling: 0.002 mg/m³
Engineering Controls: Not expected to require any special ventilation.
Personal Protective Equipment:
Eyes: Use safety glasses.
Skin: Wear protective gloves and clean body-covering clothing.
Respiratory: Not expected to require personal respirator usage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint: Not combustible
Autoignition Temperature: Not combustible
Boiling Point: -212°F
Melting Point: 32°F
Vapor Pressure: 0.7 (water)
Vapor Density: 14 (water)
% Solubility in Water: Infinite
Pour Point: N/A
Molecular Formula: Mixture
Odor / Appearance: Odorless and colorless liquid
Lower Flammability Limit: N/A
Upper Flammability Limit: N/A
Specific Gravity: 1.0
% Volatile: N/A
Evaporation Rate (Water=1): Not determined
Viscosity: N/A
Octanol / Water Partition Coefficient: N/A
pH: Not determined
Molecular Weight: Mixture

10. STABILITY AND REACTIVITY

Stability / Incompatibility: Stable under ordinary conditions of use and storage. Incompatible with strong oxidizing agents.
Hazardous Reactions / Decomposition Products: Carbon monoxide, carbon dioxide, oxides of arsenic. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Symptoms of Overexposure: May cause eye irritation. May cause skin irritation. May be harmful if absorbed through the skin. May cause irritation of the digestive tract. Toxic if swallowed. Ingestion of arsenical compounds has resulted in the following symptoms: burning of the lips, constriction of the throat, and dysphagia followed by excruciating abdominal pain, severe nausea, projectile vomiting, and profuse diarrhea.
Acute Effects: Other toxic effects on the liver, the blood-forming organs, the central and peripheral nervous systems and the cardiovascular system may appear. Convulsions, coma, and death may follow within 24 hours in severe cases. May cause respiratory tract irritation. Toxic if inhaled.
Eye Contact: Irritation of the eye
Skin Contact: Irritation of the skin
Inhalation: Toxic if inhaled
Ingestion: Toxic if swallowed. Ingestion of arsenical compounds has resulted in the following symptoms: burning of the lips, constriction of the throat, and dysphagia followed by excruciating abdominal pain, severe nausea, projectile vomiting, and profuse diarrhea.
Target Organs Effects: Eyes, skin, respiratory and gastrointestinal tract
Chronic Effects: N/A
Medical Conditions Aggravated by Exposure: N/A

Acute Toxicity Values:

NTP Listed: K – certain compounds are known to
IARC Monographs: 1 – Chemical is carcinogenic
OSHA Regulated: Z - Chemical appears a 29 CFR

12. ECOLOGICAL INFORMATION

Environmental Fate: Not Determined.
Environmental Toxicity: Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with all Local, State and federal environmental regulations.

14. TRANSPORT INFORMATION

US DOT (United States Department of Transportation): Not regulated
IATA (International Air Transport Association): Not regulated
IMO (International Maritime Organization): Not regulated

15. REGULATORY INFORMATION

CERCLA: No
SARA/Title III: SARA 313 List
TSCA Inventory: No
Cal. Proposition 65: No
WHMIS: No
DSL: Yes
NDSL: No

16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

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