

Safety Data Sheet

1. IDENTIFICATION:

1.1 Product identifier

Product Name: PHENYLARSENE OXIDE SOLUTION 0.00564N
Catalog Numbers: 10205 10199 10211 W2T12533 W2T16224
W2T14942

CAS Number: Mixture
Chemical Formula: Mixture
Molecular Weight: Mixture

1.2 Other Means of Identification

Synonyms: N/A

1.3 Recommended use of the chemical and restrictions on use

Product Use: Analytical / Laboratory Reagent

1.4 Supplier's Detail

Manufacturer: HF Scientific, Inc
Address: 3170 Old Metro Parkway Fort Myers, FL 33916
General Information: 888-203-7248

1.5 Emergency Phone Number

Transportation Emergency Number: CHEMTREC® 24 hr US 800-424-9300
CHEMTREC® 24 hr International 703-527-3887

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Health:

Acute Toxicity (Oral & Inhalation): Category 3
Skin Corrosion/Irritation: Category 2
Eye Damage/Irritation: Category 2A
Carcinogenicity: Category 2
Specific target organ toxicity (single exposure): Category 3

Environmental

Hazardous to the aquatic environment (Acute hazard): Category 2
Hazardous to the aquatic environment (Chronic hazard): Category 4

2.2 GHS label elements, including precautionary statements



Pictogram:

Signal Word: DANGER

Hazardous Statement:

H301 – Toxic if swallowed
H331 – Toxic if inhaled
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H351 – Suspected of causing cancer
H335 – May cause respiratory irritation
H401 – Toxic to aquatic life
H413 – May cause long lasting harmful effects to aquatic life

Precautionary Statement:

P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P261 – Avoid breathing fume/gas/mist/vapours/spray
P264 – Wash hands thoroughly after handling
P270 – Do not eat, drink or smoke when using this product
P271 – use only outdoors or in a well-ventilated area.
P273 – Avoid release to the environment
P280 – Wear protective gloves
P301+P310 – IF SWALLOWED immediately call a POISON CENTER or doctor
P302+P352 – IF ON SKIN wash with plenty water.
P304+P340 – IF INHALED remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 – IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 – IF exposed or concerned, get medical advice/attention
P311+P312 – Call a POISON CENTER or doctor if you feel unwell
P330 – Rinse mouth
P332 – If skin irritation occurs, get medical advice/attention
P337+P313 – If eye irritation persists, get medical advice/attention
P362+P364 – Take off contaminated clothing and wash it before reuse.
P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
P405 – Store locked up
P501 – Dispose of contents/container in accordance with local, regional, national and 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

4.1 Description of necessary 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.

4.2 Most important symptoms/effects, acute and delayed

Describe in section 2.2 and/or section 11

4.3 Indications of immediate medical attention and special treatment needed, if necessary

None

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical, carbon dioxide, water spray or regular foam.

5.2 Specific hazards arising from the chemical

None

5.3 Special protective actions for fire-fighters

Fire Fighting Procedures: Move containers from fire area if possible. Avoid breathing vapors or dusts; keep upwind.

NFPA Classification HEALTH: 3 **FLAMMABLE:** 1 **REACTIVITY:** 0

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

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

6.2 Environmental precautions

Keep away from drains, surface and ground water

6.3 Methods and materials for containment and cleaning up

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wash well after handling. Avoid breathing vapors.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

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

8.2 Appropriate Engineering Controls

Not expected to require any special ventilation.

8.3 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

9.1 Information on basic physical and chemical properties

Appearance: Colorless liquid
Odor: Odorless
Odor threshold: Not determined
pH: Not determined
Melting point/freezing point: 32°C
Initial boiling point and boiling range: 212°C
Flashpoint: Not determined
Evaporation Rate (Water=1): Not determined
Flammability: Not determined
Lower Flammability Limit: Not determined
Upper Flammability Limit: Not determined
Vapor Pressure: 0.7 (water)
Vapor Density: 14 (water)
Relative Density: 1.0
Water solubility: Infinite
Octanol / Water Partition Coefficient: Not determined
Autoignition Temperature: Not determined
Decomposition temperature: Not determined

Viscosity: Not determined
Explosive properties: Not determined
Oxidizing properties: Not determined

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical Stability

Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

Carbon monoxide, carbon dioxide, oxides of arsenic. Hazardous polymerization will not occur.

10.4 Conditions to avoid

Incompatibles

10.5 Incompatible materials

Incompatible with strong oxidizing agents.

10.6 Hazardous decomposition products

Not determined

11. TOXICOLOGICAL INFORMATION

11.1 Information

Acute toxicity: Toxic if swallowed. Toxic if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May cause respiratory irritation. 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. 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.

Skin Corrosion/Irritation: Causes skin irritation

Serious Eye Damage/Irritation: Causes serious irritation of the eyes

Respiratory or skin sensitization: May cause respiratory irritation

Germ cells mutagenicity: Not determined

Carcinogenicity: NTP Listed: K – certain compounds are known to

IARC Monographs: 1 – Chemical is carcinogenic

OSHA Regulated: Z - Chemical appears a 29 CFR Part 1910 Subpart Z

Reproductive Toxicity: Not determined

Specific Target organ toxicity – single exposure: may cause respiratory irritation

Specific Target organ toxicity – repeated exposure: Not determined

Aspiration hazards: Not determined

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not Determined.

12.2 Persistence and degradability

Not Determined.

12.3 Bioaccumulative potential

Not Determined.

12.4 Mobility in Soil

Not Determined.

12.5 Other adverse effects

Not Determined.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

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.

Preparation Information

Document Number: 0511

Revision Number: 10

Revision Objective: Update to current GHS Regulations

Date of Revision: March 1st, 2016