

**PHENYLARSINEOXIDE, 0.025 N**  
**MATERIAL SAFETY DATA SHEET**

INTEGRA Chemical Company  
710 Thomas Ave SW  
Renton, WA 98055  
Phone: 425-277-9244  
24 Hour Emergency Response Telephone: 800-451-8346

MSDS Number: P294.7K  
Revision Date: 16-Dec-98  
Revision #: 002

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**Product Identification**

Product Name: PHENYLARSINEOXIDE, 0.025 N  
Synonyms:  
Chemical Formula: Mixture  
Formula Weight: NA  
Chemical Family: Laboratory solution  
Integra Product Numbers: P294.7K

**Hazard Overview**

HMIS Rating: 3-0-0-E      NFPA Rating: NE  
Warning Label:

**WARNING!**

Harmful if swallowed or absorbed through the skin. Do not allow contact with skin, eyes or clothing. Wash thoroughly after handling. Contains arsenic. Possible cancer hazard. Handle with due care.

**Components**

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Water	07732-18-5	99.78
Phenylarsineoxide	00637-03-6	0.22

**Physical Data**

<u>Boiling Point:</u>	NA	<u>Specific Gravity:</u>	1.00 Water=1
<u>Melting Point:</u>	NA	<u>Evaporation Rate:</u>	NA
<u>Vapor Pressure</u>	NA	<u>Vapor Density:</u>	NA Air = 1

Solubility:

Miscible with water.

Appearance and Odor:

Clear, colorless liquid.

**Fire and Explosion Data**

Flash Point: NA      Test Method:  
Auto-ignition Temperature: NA  
Flammable Limits (% by volume in air): Upper: NA      Lower: NA

Fire Extinguishing Media:

Material is not flammable. Use extinguishing media suitable to surrounding materials.

Special Firefighting Procedures:

Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Unusual Fire and Explosion Hazards:

Fire conditions may liberate toxic and noxious fumes.

**Health Hazard Information**

Effects of Overexposure

Skin Contact:

Contact with skin may be irritating. Material may be absorbed through the skin in harmful amounts.

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**Health Hazard Information**

Eye Contact:

Contact may be irritating to the eyes.

Ingestion:

Harmful if swallowed. Highly toxic. May cause irritation to the mouth, throat and gastrointestinal system.

Inhalation:

None Identified

Chronic Effects of Overexposure:

None Identified

Exposure Limits:

	<u>TWA</u>	<u>OSHA PEL STEL</u>	<u>Ceiling</u>
Water	NE	NE	NE
Phenylarsineoxide	(as As) 0.5 mg/m3	NE	NE

  

	<u>TWA</u>	<u>ACGIH TLV STEL</u>	<u>Ceiling</u>
Water	NE	NE	NE
Phenylarsineoxide	(as As) 0.01 mg/m3	NE	NE

Toxicity Data:

Water	No information available	
Phenylarsineoxide	LD50 (oral, rat)	70 mg/kg

Medical Conditions Generally Aggravated by Exposure:

None Identified

Target Organs:

None Identified

Reproductive Effects:

None Identified

Carcinogenicity:

None Identified

<u>Component</u>	<u>NTP Listing</u>	<u>IARC Listing</u>	<u>OSHA Regulated</u>
Water	No listing	No Listing	<input type="checkbox"/>
Phenylarsineoxide	Group 1, Known Carcinogen	Group 1, Known Human Carcinogen	<input checked="" type="checkbox"/>

**Emergency First Aid Procedures**

Skin Contact:

Immediately remove contaminated clothing. Flush skin with water for at least 15 minutes. Seek immediate medical attention.

Eye Contact:

Flush with water for at least 15 minutes. Seek immediate medical attention.

Inhalation:

Remove to fresh air.

Ingestion:

Give victim large amounts of water and induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention.

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**Emergency First Aid Procedures**

Additional First aid and Treatment Notes:

No information available

**Reactivity Data**

Stability: Stable  
Hazardous Polymerization: Will Not Occur

Incompatibles:

None identified

Decomposition Products:

Arsenic

Conditions to Avoid:

Contamination. Extreme heat.

**Spill and Disposal Procedures**

Spill and Leak Procedures:

Prevent spread of spill. Absorb with sand or inert material. Sweep or scoop into a disposal container. Flush spill area with water. Wear protective equipment. Contain runoff. Do not flush to sewer or storm drain.

Disposal Procedures:

Dispose in accordance with all Local, State and Federal regulations.

**Protective Equipment**

Ventilation:

Use general or local exhaust ventilation to meet TLV and PEL requirements.

Respiratory Protection:

None required where adequate ventilation conditions exist. If airborne concentration exceeds PEL or TLV a dust/mist respirator is recommended.

Skin and Eye Protective Equipment:

Safety goggles, protective clothing and gloves. Maintain an eyewash station and safety shower nearby.

**Storage and Handling Precautions**

Storage Area: HEALTH HAZARD

Store in a cool, dry area. Protect containers from physical damage. Protect material from contamination. Sensitive standard, handle carefully.

**Transportation Information**

*Regulated Material domestic ground transportation*

(reference: CFR Title 49, Transportation)

Proper Shipping Name: Arsenic compound, liquid, nos (contains phenylarsineoxide)

UN or NA Identification number: UN1556

Hazard Class and Label: 6.1 Stow Away From Foodstuffs

Packing Group: III

Subsidiary Risk and Label:

*Regulated Material via Air Transportation*

(reference: ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air)

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**Transportation Information**

Proper Shipping Name: Arsenic compound, liquid, nos (contains phenylarsineoxide)  
 UN Identification Number: UN1556      Hazard Class and Label: 6.1 Toxic  
 Packing Group: III      Subsidiary Risk and Label:

	<u>Packing Instruction</u>	<u>Max net qty per package</u>
Passenger Aircraft:	611/Y611	60/2 L
Cargo Aircraft:	618	220 L

**Regulatory Information**

<u>Component</u>	<u>TSCA Inventory</u>	<u>CERCLA RQ</u>	<u>SARA EHS TPQ</u>	<u>SARA 313 Toxic Release de minimus</u>
Water	<input type="checkbox"/>	lbs	<input type="checkbox"/>	lbs
Phenylarsineoxide	<input checked="" type="checkbox"/>	lbs	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1.0 lbs
<u>SARA Hazard Categories:</u>	<u>Acute</u>	<u>Chronic</u>	<u>Flammability</u>	<u>Pressure</u>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phenylarsineoxide	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Clean Air Act Categories:</u>	<u>SOCMI</u>	<u>HAP</u>	<u>Volatile HAP</u>	<u>Organic HAP</u>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Phenylarsineoxide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**MSDS Revision History:**  
 002 - Changed header phone number

NE = Not established, NA = Not applicable or Not available

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\*\*\*\*\* END OF MSDS \*\*\*\*\*