



CITY of EVERETT  
SAFETY DIVISION  
MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT NAME AND IDENTIFICATION

Chemical Manufacturer's Name Fisher Scientific Chemical Division  
Address 1 Reagent Lane Emergency Phone (201)796-7100  
Fair Lawn, NJ 07410  
Name of Product Arsenous Acid Solution Concentrate 0:1 Date Prepared 2-24-87  
Chemical Name Inorganic Acid (Chem. family) C.A.S.# Unknown E.P.A.# Unknown  
Generic Name, Trade Name, or Synonyms OHS02085  
Other Identifying Information Cat.#--SS119110

Hazard Severity Irritant/sensitizer/neurotoxin/carcinogen.

SECTION 2. HAZARDOUS INGREDIENTS OF MIXTURES

Material Sodium Arsenite Percentage of Mixture 6.2  
Nature of Hazard and Toxicity Data Mild eye and mucous membrane irritant, primary skin irritant, neurotoxin, and pulmonary/skin carcinogen.

SECTION 3. PHYSICAL DATA

Boiling Point( F ) 212° Vapor Pressure (mm Hg) 14 Vapor Density 0.7  
Water Solubility Soluble Melting Point( F ) 32° Specific Gravity 1.0  
Percent Volatile by Volume Unknown Evaporation Rate(nBuAc=1) >1  
Appearance and Odor Threshold Clear, colorless liquid.

SECTION 4. FIRE AND EXPLOSION HAZARDS





Flashpoint( F ) None L.E.L. N/A U.E.L. N/A  
Method Used. N/A  
Extinguishing Agents Dry chemical, carbon dioxide, water spray, or alcohol foam.  
Larger fires use water spray, fog, or alcohol foam.  
Unusual Fire or Explosive Hazards Slight chance containers of the material may explode when exposed to high temperatures.  
Special Firefighting Equipment Self-contained breathing apparatus.  
Special Firefighting Procedures Move containers from area if possible.

MATERIAL SAFETY DATA SHEET

PAGE 2



SECTION 5 HEALTH HAZARDS

<p>MAY BE HARMFUL</p>  <p>IF INHALED</p>	<p>MAY CAUSE</p>  <p>SKIN REACTION</p>	<p>MAY CAUSE</p>  <p>EYE INJURY</p>	<p>MAY BE HARMFUL</p>  <p>IF SWALLOWED</p>

TLV N/A PEL N/A

Routes of Exposure Inhalation, skin and eye contact, ingestion.

Acute Symptoms of Overexposure Slight irritation to the respiratory tract, severe irritation to eyes and skin, may be fatal if ingested in large enough amounts.

First Aid Inhalation--Remove from exposure; if breathing has stopped, give CPR. Skin contact--

Wash affected area immediately with soap and water for 15-20 minutes. Eye contact--Wash eyes with large amounts of water for 15-20 minutes. Ingestion--Remove with gastric lavage or emesis

Follow with a saline cathartic. Get medical attention. Treat shock if necessary.

SECTION 6 REACTIVITY Stable under normal temperatures and pressures.

Conditions to Avoid May burn, but does not ignite readily. Containers may explode in heat of fire.

Materials to Avoid None known.

Hazardous Decomposition Products May release toxic arsine gas under thermal decomposition

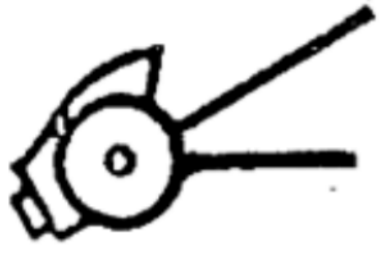
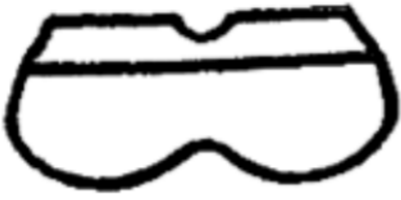



Hazardous Polymerization Not known to occur.

Conditions to Avoid None



MATERIAL SAFETY DATA SHEET  
PAGE 3

SECTION 7 PERSONAL PROTECTIVE EQUIPMENT

<p>HALF MASK CARTRIDGE</p>  <p>RESPIRATOR</p>	<p>CHEMICAL SPLASH</p>  <p>GOGGLES</p>	 <p>GLOVES</p>	 <p>APRON</p>
 <p>FULL FACE RESPIRATOR</p>			

Ventilation Provide local exhaust ventilation system.

SECTION 8. SPILL OR LEAK PROCEDURES

Specific Steps to be Taken in Case Material is Released or Spilled Dig holding pit for soil spill, absorb with fly ash or cement powder. Air spill: Knock down with water spray. For water spill, add calcium hypochlorite to spill. Neutralize with lime or sodium bicarbonate (to Ph-7). For other spills, take up with absorbant material, place in container.

Disposal Methods Follow local, state, and federal regulations.

Other Precautions Do not touch spilled material. Stop leak if you can do so without risk. Move containers from spill area. Keep unnecessary people from the area.

SECTION 9 HANDLING & STORAGE

Where Stored \_\_\_\_\_ Where Used \_\_\_\_\_

Storage/Handling Precautions Do not handle unless wearing proper protective equipment.

Other Precautions \_\_\_\_\_

SECTION 10. SPECIAL INFORMATION FOR WORKING WITH SUBSTANCE

Employer should furnish an eye wash in areas where this material is used.



