



**Acute Effects:**

**Inhalation:** H<sub>2</sub>S is highly irritating to the respiratory tract and may cause pulmonary edema. Exposure to high concentrations affects central nervous system and may be fatal. Arsenic compounds can cause lung cancer. May be corrosive due to evolutions of H<sub>2</sub>S on contact with moisture.

**Ingestion:** May cause vomiting, diarrhea and nausea.

**Skin:** Arsenic compounds can cause itching, pigmentation and cancer of the skin. May be corrosive due to evolution of H<sub>2</sub>S contact with moisture.

**Eye:** H<sub>2</sub>S is highly irritating to eyes and can cause conjunctivitis.

**Primary Routes of Entry:** Inhalation and ingestion

**Other:** Carcinogenic and highly toxic. Tumorigenic. O<sub>3</sub> is highly toxic via oral route, and is carcinogenic.

**Medical Conditions Possibly Aggravated:** Respiratory disorders

**Carcinogenicity:** Arsenic: NTP: Yes      **IARC Monographs:** Yes      **OSHA Regulated:** Yes

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Remove from exposure; give oxygen if breathing is difficult. Place individual under care of a physician.

**INGESTION:** Give 1-2 cups of milk or water, DO NOT Induce vomiting. Immediately call a physician.

**SKIN:** Brush off skin and wash area with soap and water. Seek medical attention.

**EYES:** Flush eyes with lukewarm water for 15 minutes and seek medical attention.

**VI REACTIVITY DATA**

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**Stability:** Stable

**Conditions to avoid:** Heat, moisture, incompatible materials.

**Incompatibility (Material to Avoid):** Water, acid or acid fumes, oxidizing materials, H<sub>2</sub>O<sub>2</sub>, (KNO<sub>3</sub> + S).

**Hazardous Decomposition Products:** H<sub>2</sub>S, As<sub>2</sub>O<sub>3</sub>, As

**Hazardous Polymerization:** Will not occur

**VII SPILL OR LEAK PROCEDURES**

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**Steps to be Taken in Case Material is Released or Spilled:** Wear a self contained breathing apparatus and full protective clothing.

Isolate the area where the spill occurred, insure proper ventilation is available and that water/moisture are kept out of the area.

Vacuum up the spill using a high efficiency unit and place in a container for proper disposal. Take care not to raise dust.

**Waste Disposal Method:** Dispose of in accordance with applicable Federal, State, and Local regulations.

**VIII SPECIAL PROTECTION INFORMATION**

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**Respiratory Protection:** Wear protective clothing to prevent contamination of skin and clothes.

**Ventilation:** Use local exhaust to maintain below TLV for As<sub>2</sub>S<sub>3</sub>. Keep under dry atmosphere. Mechanical exhaust is not recommended.

**Protective Gloves:** Neoprene

**Eye Protection:** Safety Glasses

**Other Clothing and Equipment:** Wear protective clothing to prevent contamination of skin and clothes.

## **IX SPECIAL PRECAUTIONS**

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**Other Handling and Storage Conditions:** Store in tightly closed containers, in a cool, dry area. Store under dry atmosphere. Wash hands and face thoroughly after handling and before meals.

**Transportation Requirements:**

**DOT Class:** Poison B  
**UN Number:** 1557  
**IMCO Class:** 6.1  
**Other:** SPC

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ESPI shall not be held liable for any damage resulting from handling or from contact with the above product.

Issued by: S. Dierks  
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