



MATERIAL SAFETY DATA SHEET

Chemical Name:[ARSENIC TRIOXIDE](#)

Synonyms: Arsenous trioxide, white arsenic, arsenic sesquioxide, Arsenic Oxide

CAS Registry Numbers:1237-53-3

1. Hazards Identification

Danger! May be fatal if swallowed. Cancer hazard. contains inorganic arsenic which can cause cancer.

2. Physical and chemical Properties

Solubility in Water:Soluble	Appearance and Odor:Colorless, odorless, solid
Flash Point:Not flammable	Specific Gravity:3.74
Boiling Point:465C (869F)	Melting Point:315C(599F)

3. First Aid Measures

get medical care in all cases of overexposure.

*Inhaled: remove to fresh air. Provide cpr/oxygen if needed.

*Eyes: flush with water for 15 minutes holding eyelids open.

*Skin: wash with soap & water.

*Oral: if conscious, induce vomiting immediately by giving two glasses of water & sticking finger down throat. See doctor/poison control center.

*Spill release procedures :ventilate area. Clean-up personnel require protective clothing and respiratory protection from dust. Pick up and place in a suitable container for reclamation or disposal in a method that does not generate dust.

*Wash clothing before reuse. Thoroughly clean shoes before reuse. Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to this substance.

4. Handling and Storage

Storage-store in cool,dry,ventilated area,in tightly closed containers,away from incompatible materials. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Wear special protective equipment for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Shower, dispose of outer clothing, change to clean garments at the end of the day. Avoid cross-contamination of street clothes. Wash



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hands before eating and do not eat, drink, or smoke in workplace. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

5. Stability:

Stable under ordinary conditions of use and storage.

6. Health Hazards Data

Acute-inhale:inflammation of mucous membranes,cough, dyspnea, cyanosis, pulmonary edema.

oral:may cause burning,vomiting,bloody diarrhea,low blood pressure, weakness, headache, cramps, convulsion, coma & death.

eye:may cause irritation & conjunctivitis.skin:may cause irritation & pain.

chronic-dermatitis, kidney & liver damage.

Signs and symptoms of overexposure :inhalation can cause inflammation of mucous membranes, cough, dyspnea, cyanosis, pulmonary edema. Orally may cause burning, vomiting, bloody diarrhea, low blood pressure, weakness, headache, cramps, convulsion, coma & death. May cause eye irritation & conjunctivitis. May cause skin irritation, redness & pain.

Medical condition aggravated by exposure :persons with pre-existing skin disorders or eye problems or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

7. Waste disposal methods

disposal should be made in accordance with all applicable federal, state and local laws and regulations.

8. Fire Fighting Procedures

Wear full protective clothing and niosh-approved self-contained breathing apparatus with full facepiece operated in the positive pressure mode.

9. Unusual Fire/Explosion Hazard

Emits toxic fumes of arsenic when heated to decomposition.

10. Transport Information

Proper Shipping Name: ARSENIC TRIOXIDE

Hazard Class: 6.1

UN No 1561.

Packing group II.

IMDG Code 6029