



# CHNZHOU CHENXI METAL CO., LTD

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## MATERIAL SAFETY DATA SHEET

### 1. Chemical Product And Company Identification

Product Name:[Arsenic Trioxide](#)

Supplier:Chenzhou chenxi metal co., ltd

www.chenzhoumetal.com

tel:(86) +735 5886796 fax:(86) +735 2326503

email:chinesemetal@hotmail.com

### 2. Composition/Information On Ingredients

Component	%	CAS Number
Arsenic Trioxide	98-99 min	1237-53-3
Iron	0.08max	7439-89-6
Moisture	0.5 max	7732-18-5

### 3. Hazards Summarizing

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

### 4. First-Aid Measures

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. 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.

## 5. Fire-Fighting Measures

Arsenic trioxide is not flammable. Wear full protective clothing and niosh-approved self-contained breathing apparatus with full facepiece operated in the positive pressure mode. Try to snuff fire with sand, dry media, foam or co2. if no other options available, use water & always wear self contained breathing apparatus or niosh toxic vapor respirator. Poisonous gases are produced in fire, including arsenic oxides.

## 6. Accidental Release Measures

Evacuate the danger area. Wearing full protective equipment, gather the leakage and place in suitable container and seal. Do not release to the environment. Avoid generating dust. Ventilate the area after cleanup of material and residue is complete

## 7. Handling And Storage

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 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.

## 8. Exposure Controls/Personal Protection

Wear full protective clothing, neoprene or plastic gloves and niosh-approved self-contained breathing apparatus with full facepiece operated in the positive pressure mode

## 9. Physical And Chemical Properties

Formula:As<sub>2</sub>O<sub>3</sub>

Purity:98-99%

Flash Point:Not flammable

Specific Gravity:3.86

Solubilityin Water:Insoluable

Odor:None

Appearance:White powder.

## 10. Stability And Reactivity

Stable under ordinary conditions of use and storage.Avoid to open the container and contact with incompatible materials. Hydrogen gas can react with inorganic arsenic to form the highly toxic gas arsine. Incompatible with bromine azide, dirubidium acetylide, halogens, palladium zinc, platinum, ncl<sub>3</sub>, agno<sub>3</sub>, cro<sub>3</sub>, na<sub>2</sub>o<sub>2</sub>. Can react with acids or



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acid fumes and powerful oxidizers such as bromates, chlorates, iodates, peroxides, lithium, NaCl<sub>3</sub>, KNO<sub>3</sub>, KMnO<sub>3</sub>, AgNO<sub>4</sub>, NOCl, CrO<sub>3</sub>, ClO.

### 11. Toxicological Information

Threshold limit value : 0.01mg/m<sup>3</sup> twa arsenic, elemental & inorganic compounds(except arsine)

Primary routes of exposure : inhalation of fumes, dust, reaction gases; ingestion; skin contact

Oral Id<sub>50</sub> : 763 mg/m<sup>3</sup> rat; oral rat tdlo 605 micrograms/kg – reproductive effects;  
oral-man tdlo 7857 mg/kg/55 year old – skin & gastrointestinal effects

Dermal irritation-rabbit : Unknown; subcutaneous rabbit ldlo: 300 mg/kg

Eye irritation-rabbit : Unknown

Osha pel : 0.01mg/m<sup>3</sup> twa inorganic compounds as as;

### 12. Ecological Information

In plants, arsenic has been shown to cause wilting, chlorosis, browning, dehydration, mortality, and inhibition of light activation . Arsenic is a carcinogen (cancer-causing), teratogen, and possible mutagen (causing mutations in genes/DNA) in mammals. Chronic exposure can result in fatigue, gastrointestinal distress, anemia, neuropathy, and skin lesions that can develop into skin cancer in mammals.

### 13. Disposal

Disposal should be made in accordance with all applicable federal, state and local laws and regulations. The wastes should be placed in labeled container and returned back to the supplier to handle.

### 14. Transport Information

Proper Shipping Name: [Arsenic Trioxide](#)

Hazard Class: 6.1

Packing Group:II

UN NO.:1561

Lable Required:Poison

### 15. Regulatory Information

“Regulations on the Control over Safety of Dangerous Chemicals “, Decree No. 344 of the State Council of the People's Republic of China

### 16. Other Information

<http://www.epa.gov/R5Super/ecology/html/toxprofiles.htm#as>



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