



## MATERIAL SAFETY DATA SHEET (MSDS)

### MSDS for Tungsten Oxide

#### 1, MATERIAL IDENTIFICATION

Product Name: Tungsten Powder

Manufacturer: Chinatungsten Online (Xiamen) Manu. & Sales Corp.

#### 2, INGREDIENTS

Ingredients of Tungsten Powder(<&ppm)

W	Al	As	Bi	Ca	Cu	Fe
≥99.90%	5	7	1	5	1	11
K	Mg	Mn	Mo	Ni	Pb	Sb
13	5	5	20	5	1	2
Si	Sn	Ti	O	/	/	/
8	1	5	<0.06%	/	/	/

#### 3, HAZARDS DATA

Primary routes of entry: Inhalation, ingestion, skin or eye contact (for dusts, mists, powder and fume)

Effects of overexposure: Industrially Tungsten oxide does not constitute an important health hazard.

Exposure is related chiefly to the dust arising out of the crushing and milling operations. Chronic inhalation of the dust may cause lung damage in humans.

Carcinogenic assessment: Not listed

#### 4, FIRST AID MEASURES

Eye contact: If irritation occurs, flush with large amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin contact: Wash with soap and water. If irritation or rash occurs, isolate from exposure. If rash persists, seek medical attention.

Inhalation: If large amounts of dust are inhaled, move the exposed person to fresh air. If necessary, perform artificial respiration and seek medical attention.

Ingestion: If ingested, get medical attention. Give large quantities of water and induce vomiting. Do not make an unconscious person vomit.

#### 5, FIRE FIGHTING MEASURES

Extinguishing media: Use fire extinguishing agents (dry powder).

Special procedures: For a powder fire confined to a small area—use a respirator approved for toxic dusts and mists. For a large fire - use self contained breathing apparatus.

Unusual hazard: Dusts may present a fire or explosion hazard under rare favoring conditions of particle size, dispersion, and strong ignition source. However, this is not expected to be a problem under normal handling conditions.



## 6, ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment, such as working clothes.

Environmental precautions: Avoid dispersal.

Methods for cleaning up: Vacuum or sweep up material and place in a designated, labeled waste container.

Other: No dangerous goods around.

## 7, HANDLING AND STORAGE

Precautions: Keep container dry

Storage sites and storage containers: No special method

General storage facilities: Separate storage in iron drum.

Storage conditions: None

Classified according to the specifications of flammable liquids: None

## 8, EXPOSURE CONTROLS, PERSONAL PROTECTION

Operating facilities should be operated according to the related handling safety.

The protection of persons and health management: Cannot eat, cannot drink.

Breathing apparatus: Mist protective equipment required to wear breathing.

Hand protection: Not required

Eye protection: Not required

Protection of the body: Popular work clothes are acceptable

## 9, PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Powder

Odor: N/A

Color: grey

Solubility: Insoluble in water.

## 10, STABILITY AND REACTIVITY

Incompatibilities: Contact of dust with strong oxidizers may cause fire or explosion. Avoid strong acids. Extremely fine powders may be pyrophoric under some conditions.

Stability: Tungsten oxide is stable under normal operating conditions.

Hazardous Decomposition Products: None recorded

## 11, TOXICOLOGICAL INFORMATION

Skin contact: No contact directly

Eye contact: No contact directly

Sensitivity: No contact directly

## 12, ECOLOGICAL INFORMATION

Generally will not pollute the water.

## 13, SEA POLLUTION: None recorded



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14, OTHERS: not included, refer to local, municipal and state laws and regulations.

15, THE SUPPLIER'S INFORMATION

Supplier's Name : Chinatungsten Online (Xiamen) Manu. & Sales Corp.

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17, EMERGENCY INFORMATION

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