

# Safety Data Sheet

## Section 1 - Chemical Identification

Product Name: Tungsten Granulate  
Catalog Numbers: CI-1425, CI-1425/O, CI-1425-15  
SDS number: 52  
Product purpose: Laboratory use  
Manufacture/ Supplier/Distributor:

**Company** Crossings, Inc.  
3648 S. Folsom  
Lincoln, NE 68522  
402-435-7942

**Website:** [www.crossingsinc.com](http://www.crossingsinc.com)  
**email:** [info@crossingsinc.com](mailto:info@crossingsinc.com)  
**Emergency phone:** 800-255-3924

## Section 2 - Hazards Identification

**Classification: Health** – Eye/ Skin irritation Category 2  
Respiratory irritation Category 2

**Hazard Symbol**



### **Emergency Overview**

No spill hazard, minimal health risk

**Signal word:** Warning

**Hazard statement:** Causes respiratory tract, eye and skin irritation.

**Precaution Measures:** Avoid contact with eye, skin and clothing. Keep container closed, use protective equipment as required and wash thoroughly after handling.

## Section 3 - Composition, Information on Ingredients

Chemical Name	Common Name	CAS#	%/W
Tungsten		7440-33-7	>99

## Section 4 - First Aid Measures

**EYES:** Flush with large amounts of water for 15 minutes. **If eye irritation persists:** Get medical aid.

**SKIN:** Wash skin with soap and water. Get medical aid if irritation develops or persists.

**INHALATION:** Remove person to fresh air immediately. If necessary aid breathing and seek medical aid.

**INGESTION:** If ingested, consume large quantities of water and induce vomiting. Seek medical attention.

## Section 5 - Fire Fighting Measures

**Flash Points:** Lower - None Upper - None

**Extinguishing Media:** Use water spray. Use dry chemical or dry powder, dry sand.

**Unsuitable Extinguishing Media:** N/A

**Special Hazards:** Hazardous gasses/fumes may form during fire. Tungsten powder, particularly powder less than 1 micron(FSSS) can oxidize in air by friction during handling.

**Firefighting Instructions /Methods:** Wear self-contained breathing apparatus and standard protective clothing.

## Section 6 - Accidental Release Measures

**Personal Precautions:** Use suitable protection equipment when cleaning up any spills. Avoid breathing dust or gasses produced by fire.

**Recovery method:** Sweep up or vacuum up, collect in suitable container, dispose according to local, state and federal regulations.

### **Section 7: Handling and Storage**

**Handling:** Keep container sealed when not in use. Avoid dust creation and the breathing dust. Avoid eye, skin and clothing contact. Use in a proper ventilated area.

**Storage:** Keep container closed when not in use- store in a cool, dry and well ventilated environment away from any heat source.

### **Section 8 - Exposure Controls, Personal Protection**

CAS#	Chemical Name	Type	ACGIH (mg/m3)	NIOSH (mg/m3)
7440-33-7	Tungsten	STEL	10	10
		TWA	5	5

**Controls:** Use adequate exhaust ventilation to prevent dust concentrations.

**Eye and Face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Skin and Clothing:** Wear appropriate gloves. Wear appropriate protective clothing to prevent contact.

**Respirators:** A NOISH-approved respirator is required if TLV is exceeded

**General hygiene:** Wash hands after use and before eating or drinking. Clothing should be washed regularly to remove contaminants.

### **SECTION 9 - Physical and Chemical Properties**

**Physical state:** Solid

**Appearance:** Gray

**Odor:** None

**PH:** Not available.

**Vapor pressure:** N/A

**Vapor density:** N/A

**Evaporation rate:** N/A.

**Viscosity:** not available.

**Boiling point:** 10652°F ( 5900°C)

**Melting Point:** 6170°F ( 3410°C)

**Freezing/melting point:** N/A

**Decomposition temperature:** N/A.

**Solubility:** negligible in water.

**Specific gravity:** N/A

**Molecular formula:** W

### **Section 10 - Stability and Reactivity**

**Stability:** Stable

**Incompatible materials:** Halogens, reducing agents, oxidizing agents.

**Hazardous Decomposition:** Oxides of tungsten

### **Section 11 - Toxicological Information**

**Information on toxicological effects**

**Acute toxicity:** None.

**Skin corrosion/irritation:** Irritating to skin.

**Serious eye damage/eye irritation:** Dust will cause irritation.

**Respiratory sensitization:** No data available.

**Skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity OSHA Specifically Regulated**

**Substances (29 CFR 1910.1001-1050)** Not listed.

**Reproductive toxicity:** No data available.

**Specific target organ toxicity - single exposure:** No data available.

**Specific target organ toxicity - repeated exposure:** No data available.

**Aspiration hazard:** Not available.

**Chronic effects:** Prolonged inhalation may be harmful.

## **Section 12 - Ecological Information**

None

## **Section 13 - Disposal Considerations**

Dispose of in accordance with all federal, state and local regulation.

## **Section 14 - Transport Information**

Not regulated by DOT/IMDG/IATA

## **Section 15 - Regulatory Information**

US Federal Regulations:

CERCLA Sections 102a/103: None

SARA Title III Section 302: Not regulated

SARA Title III Section 304: Not regulated

SARA Title III Section 313: Not regulated

OSHA Process Safety (29 CFR 1910.119): Not regulated

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21): Acute, Chronic

**State Regulations:** California Proposition 65: Not listed

U.S. TSCA Inventory: Listed

**International Regulations:**

Canada WHMIS: Not regulated

### **Rick/Safety Phrases**

22 Do not breath dust

33 Guard against static discharges

## **Section 16 – OTHER INFORMATION**

HMIS Ratings: Health = 1, Fire = 0, Reactivity = 0

The information provided in the SDS is believed to be correct to the best of our knowledge and is attended only as guidance for the safe use, storage and disposal of the product. Crossings Inc, cannot assure the accuracy of the information provided and shall not be responsible or liable for any damage or loses resulting from use.

Date: October 6, 2015