



Hummel Croton Inc.  
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Phone: 908-754-1800  
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In Case Of Emergency Call Chemtrec®  
(U.S.) (800) 424-9300  
(International) (703) 527-3887

## Tungsten Safety Data Sheet

### 1. Product and Company

Product name: Tungsten  
Synonym: Wolfram  
CAS-No.: 7440-33-7  
Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080  
Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	2
Flammability	3
Reactivity	3
Personal Protection	E

Emergency telephone number  
Emergency Phone #: Chemtrec US: 800-424-9300  
Chemtrec International: 703-527-3887

### 2. Hazards

GHS Classification Flammable solids (Category 1), H228  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319

#### GHS Label elements

Pictogram(s)



Signal word **DANGER**

Hazard statement(s)

H228 Flammable solid.  
H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statement(s)

- P210 Keep away from heat/sparks/open flames/hot surfaces. –No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P264 Wash skin after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/ attention.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

None

**3. Composition/Ingredients**

**Substance**

Formula: W  
Molecular weight: 183.84  
CAS-No.: 7440-33-7

Material	CAS	%	OSHA	ACGIH
Tungsten	7440-33-7	100%	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

**4. First Aid**

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid For Ingestion:** If swallowed, call a physician immediately.

**5. Fire Data**

Flammability: Non-Flammable  
Flash Point: Not Applicable  
Auto Ignition: Not Applicable  
Flammable Limits: Not Applicable  
Extinguishing Media: Dry chemical powder or carbon dioxide.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Fire/Explosion Hazards: This material, like most in powder form, is capable of creating a dust explosion. Emits toxic fumes under fire conditions.

## 6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

## 7. Handling And Storage

Storage Temperatures: Store at ambient temperature.

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food or beverages.

## 8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## 9. Physical And Chemical Properties

Physical Form: Powder

Color: Gray

Odor: None

Molecular Weight: 183.85 g/mol

Boiling Point: 5900°C

Melting/Freezing Point: 3410°C

Solubility In Water: Insoluble

Specific Gravity: 19.35

## 10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents and halogens.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Unknown.

Decomposition Products: Unknown.

## 11. Toxicological Information

RTECS Number: YO7175000

Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: Ipr-Rat LD50: 5 gm/kg Unr-Rat LD50: 2 gm/kg

Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane Irritation to the eyes will cause watering and redness.

Reddening, scaling, and itching are characteristics of skin inflammation Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

## 12. Ecological Information

Ecotoxicity: Not available at this time.

## 13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## 14. Transportation Information

Proper Shipping Name: Metal Powders, Flammable, N.O.S. (Tungsten)

UN Number: 3089

Class: 4.1

P.G.: II

Label Code: 4.1

## 15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances which the state of California has found to cause cancer, birth defects, or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

## **16. Other Information**

Prepared By: Michael Richard

Date: June 1, 2015

Reason For Issue: GHS Compliance

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