



North Metal and Chemical Company

## 1. Company Identification and Product Hazard Overview:

**Product Name:** Calcium Tungstate  
**Synonyms:** None  
**Recommended Use:** Used chiefly in screens for radiography as a contrast agent, in luminous paint, and in fluorescent lamps.  
**Manufactured by:** **NORTH Metal and Chemical Company**  
P. O. Box 1985  
York, PA USA 17405  
Tel: 717-845-8646  
Email: north@northmetal.net  
609 E. King St.  
York, PA USA 17403  
Fax: 717-846-7350  
Website: www.northmetal.net

**In Case of Emergency Call CHEMTREC (24 Hours): 1-800-424-9300**

## 2. Hazard Identification:

### GHS Classification:

Acute Toxicity - Oral (Cat. 5)  
Acute Toxicity - Dermal (Cat. 5),  
Acute Toxicity - Inhalation (Cat. 5)  
Eye Irritation (Category 2B)

**Signal Word: Warning**

**Pictogram:**



### Hazard Statements:

**H303** : May be harmful if swallowed  
**H313** : May be harmful in contact with skin  
**H332** : May be harmful inhaled  
**H320** : Causes eye irritation.

### Precautionary Statements:

#### Prevention:

**P261 + P271** : Avoid breathing dust and/or mist. Use in a well-ventilated area  
**P264** : Wash all affected body parts thoroughly after handling.  
**P302 + P352** : IF ON SKIN: Wash with plenty of water.  
**P304 + P340** : IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**P301+P312** : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
**P338** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337 + P313** : If eye irritation persists: Get medical advice/attention  
**P312** : Call a POISON CENTER/doctor if you feel unwell.  
**P391 + P501** : Collect Spillage. Dispose of contents/containers in accordance with local regulations

### 3. Composition/Information on Ingredient:

**Common Name:** Calcium Tungstate  
**CAS Number:** 7790-75-2  
**Chemical Formula:** CaWO<sub>4</sub>  
**EC Number:** 232-219-4

Substance:	CAS Number:	Hazard	Compo. (%)
Calcium Tungstate	7790-75-2	-----	98.0 minimum

### 4. First Aid Measures:

**Eyes** : Flush eyes with running water for at least fifteen minutes. Remove any contact lenses. If irritation persists, get medical aid.

**Skin** : Flush skin with running water for fifteen minutes. If irritation persists, get medical attention.

**Ingestion** : Rinse mouth out and drink a glass of water. If the product is swallowed, do not induce vomiting.

**Inhalation** : If safe to do so, remove individual from further exposure. Supply fresh air. If cough or other symptoms develop, call doctor/poison center immediately.

**PPE first responders** : Dust mask, gloves and safety goggles are highly recommended.

### 5. Fire Fighting Measures:

**Fire/Explosion Hazard** : Negligible fire hazard when exposed to flame.

**Extinguishing Media** : Use any extinguishing media suitable for type of surrounding fire.

**General Hazard** : Evacuate personnel downwind in-order to avoid inhalation of irritating and/or harmful fumes and smoke.

**Special Hazards arising from the substance or mixture** : Calcium Oxide, Tungsten Oxide

**Fire Fighting Procedures:** This product is a non-flammable substance. No acute hazard.

**Fire Fighting Equipment:** Full protective equipment (bunker gear) and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. If possible, firefighters should control run-off water to prevent environmental contamination.

### 6. Accidental Release Measures:

**Personal precautions** : Avoid breathing dust

**Protective Gear for Personnel** : Gloves and dust mask.

**Spill Clean-up Procedures** : Sweep up and dispose according to state, federal, and local non-hazardous waste laws and regulations. Do not let waste enter the environment.

**Environmental Precaution** : Do not allow to enter sewers or ground water, or penetrate the soil.

### 7. Handling and Storage:

**Handling** : Use appropriate personal protective equipment as specified in Section 8. Handle in a well-ventilated area. Handle in a manner consistent with good industrial/manufacturing techniques and practices. Wash hands thoroughly with soap and water after use. Remove contaminated clothing and protective equipment before entering eating areas.

**Storage** : Store in a cool, dry well-ventilated area. Keep containers closed when not in use. Observe all federal, state and local regulations when storing or disposing of this substance.

## 8. Exposure Controls and Personal Protection:

### Exposure Limits :

ACGIH	5 mg/m <sup>3</sup> TWA (as W) - listed under Tungsten insoluble compounds 10 mg/m <sup>3</sup> STEL (as W) - listed under Tungsten insoluble compounds
NIOSH/GUIDE	5 mg/m <sup>3</sup> REL (as W; Recommended Exposure Limit) - listed under Tungsten insoluble compounds
Z1A	No info available
OSHA	No OSHA Vacated PELs are listed for this chemical

**Exposure Controls** : **Calcium Tungstate is not classified as a hazardous substance.** High airborne dust concentrations require mechanical ventilation or a respirator mask.

**Engineering Controls** : Use appropriate engineering controls to minimize exposure to dust generated via routine use. Maintain adequate ventilation of workplace and storage areas.

### Personal Protective Equipment:

**Eyes and face:** Wear safety glasses with side shields or goggles when handling this material.

**Skin:** Wear protective clothing and gloves when handling this product to prevent prolonged skin contact.

**Respiratory:** Avoid breathing dust or mist. Use NIOSH approved respiratory protection equipment when air borne exposure is excessive.

**Work Hygienic Practices:** Facilities storing or using this material should be equipped with emergency eyewash, and a safety shower. Good personal hygiene practices should always be followed.

## 9. Chemical and Physical Properties:

<b>Appearance/Color</b>	: White fine crystals	<b>Vapor Density</b>	: Not applicable
<b>Odor</b>	: Odorless	<b>Partition Coefficient</b>	: Not applicable
<b>Odor threshold</b>	: Not applicable	<b>Solubility</b>	: Only slightly
<b>Flash Point</b>	: Not applicable	<b>pH (neat)</b>	: Not available
<b>Evaporation Rate</b>	: Not applicable at ambient conditions	<b>Melting/Freezing Point</b>	: 1620°C
<b>Lower Explosive Limit</b>	: Not explosive	<b>Boiling Range</b>	: Not applicable
<b>Upper Explosive Limit</b>	: Not explosive	<b>Molecular Weight</b>	: 287.92
<b>Auto-ignition Temp</b>	: Not applicable	<b>Flammability</b>	: Not flammable
<b>Decomposition Temp</b>	: Not available	<b>Relative Density</b>	: 6.06 g/ml at 25 °C
<b>Vapor Pressure</b>	: Negligible		

## 10. Stability and Reactivity:

**Stability** : The product is stable under normal ambient conditions of temperature and pressure.

**Hazardous Decomposition Products** : None identified.

**Incompatible Materials** : Strong oxidizing agents

**Conditions to Avoid** : Avoid exposure to extreme temperatures and Dust generation

**Hazardous Polymerization** : Will not occur

## 11. Toxicological Information:

### Information on toxicological effects

**Acute Toxicity** : No data available

**Inhalation** : No data available

**Dermal** : No data available

**Skin corrosion/  
Irritation** : No data available

**Serious Eye damage/  
Eye Irritation** : No data available

**Respiratory or Skin  
Sensitization** : No data available

**Gen cell mutagenicity** : No data available

### Carcinogenicity

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Reproductive Toxicity** : No data available

**Specific Target organ  
Toxicity** : No data available

### Health Effects:

#### INHALATION

**Acute Exposure:** May cause gastrointestinal irritation

**Chronic Exposure:** None identified

#### SKIN CONTACT

**Acute Exposure:** Brief contact with dry skin is unlikely to cause irritation.

**Chronic Exposure:** Prolonged contact with dry skin may cause irritation.

#### EYE CONTACT

**Acute Exposure:** May cause irritation.

**Chronic Exposure:** No data available.

#### INGESTION

**Acute Exposure:** Gastrointestinal disturbance

**Chronic Exposure:** Not available

## 12. Ecological Information:

All work practices must be aimed at eliminating environmental contamination.

**Toxicity** : No data available

**Persistence & Degradability** : No data available

**Bioaccumulative Potential** : No data available

**Mobility in soil** : No data available

**Results of PBT and vPvB assessment** : PBT/vPvB assessment not available as chemical safety not required/not conducted.

## 13. Disposal Considerations:

**Disposal Method** : Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

**Product Disposal** : Recycle or reuse whenever possible. Uncontaminated waste may be returned to the manufacturer. Dispose of any contaminated waste product as non-hazardous waste, unless contamination is hazardous in nature.

**Packaging Disposal** : Dispose of at a supervised incineration facility or an appropriate waste disposal facility.

## 14. Transport Information:

**Shipping Name** : Not D.O.T regulated

**Hazard Class** : Not Dangerous for Transport

**UN Number** : None

## 15. Regulatory Information:

### U.S. Federal Regulations:

**TSCA Inventory Status** : All components of this product are listed on the TSCA inventory.

**CERCLA Section 103**: No

**SARA TITLE III (EPCRA) Section 302/304**: This product was not found to be on the hazardous chemicals list.

**SARA TITLE III (EPCRA) Section 311/312**: This product was not found to be on the acute hazard, chronic hazard, fire hazard, or reactivity hazard chemicals lists.

**SARA TITLE III (EPCRA) Section 313**: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Proposition 65**: This product is not listed.

**OSHA process Safety (29CFR1910.119)**: This product is not listed.

### Pennsylvania Right to know Components:

Component	CAS No.
Calcium Wolframate	7790-75-2

### New Jersey Right to Know Components:

Component	CAS No.
Calcium Wolframate	7790-75-2

## 16. Other Information:

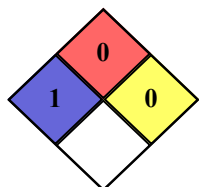
### HMIS Rating:\*

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	D

### \*HMIS Key:

HEALTH - 1: Can cause irritation or minor reversible injury.
FLAMMABILITY - 0: Will not burn
PHYSICAL HAZARD - 0: Product stable under ambient temperature and condition.
PERSONAL PROTECTION - D: Face shield, gloves, and apron

### NFPA Rating:\*



### \*NFPA Key:

HEALTH - 1: Can cause significant irritation
FLAMMABILITY - 0: Will not burn
REACTIVITY - 0: Normally stable
SPECIFIC HAZARD - None

**Revision Date:** May 9, 2022

**Reasons for Revision :** Updated logo and contact information. Formatting. Reviewed for accuracy.

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