
Section 1: Chemical Product and Company Identification

1.1 Product identifiers

Product name : Tungsten Concentrate
CAS-No. : 7440-33-7
EC number : 231-143-9
Chemical Name : Tungsten Concentrate
Product type : Granule

1.2 Relevant identified uses of the substance or mixture and uses advised against Laboratory chemicals, Manufacture of substances

1.3 Contact Information

Company : Platotex Technology Company Ltd.
Level 21, The Centre 99 Queen's Road Central,
Central, Hong Kong
Tell : +852 2371-7679
Fax : +852 2579-0808

Section 2: Composition and Information on Ingredients

2.1 Composition

Name : Tungsten Concentrate
CAS-No. : 7440-33-7
% By Weight : 100

2.2 Toxicological Data on Ingredients Not applicable

Section 3: Hazards Identification

3.1 Potential Chronic Health Effects

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.

Potential Acute Health Effects

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Section 4: First Aid Measures

4.1 Eye Contact

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

4.2 Ingestion

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Skin Contact

4.3

If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

6.1 Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

6.2 Large Spill:

Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material.

Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed.

Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

7.1 Precautions

Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire

risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Never add water to this product Wear suitable protective clothing If you feel unwell, seek medical attention and show the label when possible.

7.2

Storage

Keep container dry. Keep in a cool place. Ground all equipment containing material. Corrosive materials should be stored in a separate safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Synthetic apron. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 5 CEIL: 10 (mg/m³) from ACGIH Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 183.85 g/mole

Color: Not available.

pH (1% sol/water): Not applicable.

Boiling Point: 5900°C (10652°F)

Melting Point: 3410°C (6170°F)

Critical Temperature: Not available.

Specific Gravity: 19.35 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist.: Not available.

Iconicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

11.1 Routes of Entry: Not available.

Toxicity to Animals: LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Nuisance dust.

Section 12: Ecological Information

Eco toxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

13.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

13.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Section 14: Transport Information

DOT Classification: CLASS 8: Corrosive solid.

Identification: Metal powder, flammable, (Tungsten powder) : UN3089 PG: III

Special Provisions for Transport: Not available.

Section 15: Disposal Consideration

15.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

15.2 Contaminated packaging

Dispose of as unused product.

Section 16: Other Information

N/A