

SAFETY DATA SHEET

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA- NO OEL DATA

Section 1: Chemical Product and Company Identification

1.1 Product Identifiers

Product name : **Tantalum**

CAS-No. : 7440-25-7
TSCA :
Chemical Formula : TSCA 8(b) inventory: Tantalum
Chemical Name : Ta

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 : Tantalum
CAS-No. : 7440-25-7
% by Weight : 100

2.2 Toxicological Data on Ingredients

Not applicable

Section 3: Hazards Identification

3.1 Potential Chronic Health Effects

Non-corrosive for skin. Non-sensitizer for skin. Non-permeation by skin.

Potential Acute Health Effects

Non-corrosive for skin. Non-sensitizer for skin. Non-permeation by skin. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

4.1 Eye Contact

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

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.

4.3 Skin contact

No known effect on skin contact, rinse with water for a few minutes.

Caution

4.4 Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

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: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures**6. Small Spill:**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

6.2 Large Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. 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**

No specific safety phrase has been found applicable for this product.

7.2 Storage

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals.

Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8: Exposure Controls/Personal Protection**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:

Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Tantalum TWA: 5 (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: Not applicable.

Color: Not available. PH (1% sol/water): Neutral.

Boiling Point: The lowest known value is 100°C (212°F) (Water).

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: The only known value is 1 (Water = 1) (Water).

Vapor Pressure: The highest known value is 17.535 mm of Hg (@ 20°C) (Water).

Vapor Density: The highest known value is 0.62 (Air = 1) (Water).

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist.: Not available.

Iconicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble 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: Non-corrosive for skin. Non-sensitizer for skin. Non-permeation by skin.

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: Not available.

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: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 14: Regulatory Information

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

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

14.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

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