

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 Powder
CAS-No. : 7440-25-7
Chemical Name : Ta2O5
Purity : $\geq 99.9\%$

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

2.2 Toxicological Data on Ingredients

Not applicable

Section 3: Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

none

Section 4: First Aid Measures

4.1 If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.2 In case of skin contact

Wash off with soap and plenty of water.

4.3 In case of eye contact

Flush eyes with water as a precaution.

4.4 If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.5 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.6 Indication of any immediate medical attention and special treatment needed

N/A

Section 5: Fire and Explosion Data

Extinguishing media

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Tantalum Oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information no data available

Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

7.1 Precautions

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100

(US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

a) Appearance Form: powder

Colour: light grey

b) Odour no data available

c) Odour no data available

d) pH no data available

e) Melting point/freezing point

Melting point/range: N/A

f) Initial boiling point and boiling range

2.996°C - lit.

g) Flash point not applicable

h) Evaporation rate no data available

i) Flammability (solid, gas) : no data available

j) Upper/lower flammability or explosive limits

no data available

k) Vapour pressure no data available

l) Vapour density no data available

m) Relative density 16,69 g/cm³

n) Water solubility: no data available

o) Partition coefficient: noctanol/water no data available

p) Auto-ignition temperature : 300 °C

q) Decomposition temperature no data available

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

Section 10: Stability and Reactivity Data

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

Section 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

- 12.1 Section 12: Ecological Information
Toxicity
- 12.2 No data available
- 12.3 Persistence and degradability
No data available
- 12.4 Bioaccumulative potential
No data available
- Mobility in soil
No data available
- 12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects
No data available
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Section 13: Transport Information

13.1 UN number

ADR/RID: 3089 IMDG: 3089 IATA: 3089

13.2 UN proper shipping name

ADR/RID: METAL POWDER, FLAMMABLE, N.O.S

IMDG: METAL POWDER, FLAMMABLE, N.O.S

IATA: METAL POWDER, FLAMMABLE, N.O.S

13.3 Transport hazard class(es)

ADR/RID: 4.1 IMDG: 4.1 IATA: 4.1

13.4 Packaging group ADR/RID: II IMDG: II IATA: 4.1

13.5 Environmental hazards ADR/RID: no IMDG Marine pollutant: no IATA: no

13.6 Special precautions for user no data available

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.

Contaminated packaging

Dispose of as unused product

Section 16: Other Information

N/A