PLATOTEX

PLATOTEX TECHNOLOGY COMPANY LIMITED

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	:	Potassium heptafluorotantalate(V)
CAS-No.	:	16924-00-8
Chemical Name	:	K2TaF7
Purity	:	46%

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	:	Potassium heptafluorotantalate(V)
CAS-No.	:	16924-00-8
% by Weight	:	100

2.2 Toxicological Data on Ingredients

Not applicable

Section 3: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Inhalation (Category 3) Acute toxicity, Oral (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Toxic by inhalation and if swallowed.

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 If inhaled

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

In case of skin contact

4.2

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

4.3

Flush eyes with water as a precaution.

If swallowed

4.4

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

Most important symptoms and effects, both acute and delayed

4.5 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**

Hydrogen fluoride, Potassium oxides, Tantalum Oxides

5.3 **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 **Further information no data available**

N/A

Section 6: Accidental Release Measures

6. **Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 **Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. 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.Normal measures for preventive fire protection.

7.2 **Conditions for safe storage, including any incompatibilities**

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

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals; 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 N99 (US) or type P2 (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: white

b) Odour no data available

c) Odour Threshold no data available

d) pH no data available

e) Melting point/freezing point

Melting point/range: 720 °C

f) Initial boiling point and boiling range

no data available

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 4,56 g/mL at 25 °C

n) Water solubility: no data available

o) Partition coefficient: noctanol/water no data available

p) Autoignition temperature no data available

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

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

13.1 UN number ADR/RID: 3288 IMDG: 3288 IATA: 3288

13.2 UN proper shipping name

ADR/RID: TOXIC SOLID, INORGANIC, N.O.S. (Dipotassium heptafluorotantalate)

IMDG: TOXIC SOLID, INORGANIC, N.O.S. (Dipotassium heptafluorotantalate)

IATA: Toxic solid, inorganic, n.o.s. (Dipotassium heptafluorotantalate)

13.3 Transport hazard class(es) ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

13.4 Packaging group ADR/RID: III IMDG: III IATA: III

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

No data available

Section 15: Disposal Consideration

15.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

15.2 Contaminated packaging

Dispose of as unused product.

Section 16: Other Information

N/A