

SAFETY DATA SHEET

Version
3.0 Revision Date
09/04/2017

1 PRODUCT AND SUPPLIER IDENTIFICATION

Product Name: Tantalum Silicide - powder
Formula: TaSi₂
Supplier: Stanford Advanced Materials
23661 Birtcher Dr.
Lake Forest, CA 92630
Telephone: +1 (949) 407-8904
Fax: +1 (949) 812-6690
Email: sales@samaterials.com
Emergency: +1 (949) 407-8904
Recommended Uses: Scientific Research

2 HAZARDS IDENTIFICATION

GHS Classification (29 CFR 1910.1200): Not classified as hazardous
GHS Label Elements: N/A
Hazards Not Otherwise Classified: No further information available

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient: Tantalum Silicide
CAS#: 12039-79-1
%: 100
EC#: 234-902-2
Common Names and Synonyms: Tantalum disilicide

4 FIRST AID MEASURES

General Measures: Remove patient from area of exposure.
INHALATION: Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek medical attention.
INGESTION: Rinse mouth with water. Do not induce vomiting. Seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.
SKIN: Remove contaminated clothing, brush material off skin, wash affected area with soap and water. Seek medical attention if irritation develops or persists.
EYES: Flush eyes with lukewarm water, including under upper and lower eyelids, for at least 15 minutes. Seek medical attention if irritation develops or persists.
Most Important Symptoms/Effects, Acute and Delayed: May cause irritation. See section 11 for more information.
Indication of Immediate Medical Attention and Special Treatment: No other relevant information available.

5 FIREFIGHTING MEASURES

Extinguishing Media: Use suitable extinguishing agent for surrounding materials and type of fire.
Unsuitable Extinguishing Media: No information available.
Specific Hazards Arising from the Material: May release toxic fumes if involved in a fire.
Special Protective Equipment and Precautions for Firefighters: Wear full face, self-contained breathing apparatus and full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Wear appropriate respiratory and protective equipment specified in section 8. Isolate spill area and provide ventilation. Avoid breathing dust or fume. Avoid contact with skin and eyes.
Methods and Materials for Containment and Cleaning Up: Avoid dust formation. Sweep or vacuum up spill using a vacuum equipped with a HEPA filter. Place in properly labeled closed containers.
Environmental Precautions: Do not allow to enter drains or to be released to the environment.

Tantalum: Tantalum metal is generally considered to be physiologically inert.

Silicon: Inhalation or contact with silicon dusts may cause irritation. There is no available data to show any toxic effects for elemental silicon.

Acute Toxicity: No data

Carcinogenicity: **NTP:** Not identified as carcinogenic **IARC:** Not identified as carcinogenic

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data

Persistence and Degradability: No data

Bioaccumulative Potential: No data

Mobility in Soil: No data

Other Adverse Effects: Do not allow material to be released to the environment. No further relevant information available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Product: Dispose of in accordance with Federal, State and Local regulations.

Packaging: Dispose of in accordance with Federal, State and Local regulations.

14 TRANSPORT INFORMATION

Shipping Regulations: Not regulated

UN Number: N/A

UN Proper Shipping Name: N/A

Transport Hazard Class: N/A

Packing Group: N/A

Marine Pollutant: No

15 REGULATORY INFORMATION

TSCA Listed: All components are listed.

Regulation (EC) No 1272/2008 (CLP): N/A

Canada WHMIS Classification (CPR, SOR/88-66): N/A

HMIS Ratings: Health: 1 Flammability: 0 Physical: 0

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Chemical Safety Assessment: A chemical safety assessment has not been carried out.

16 OTHER INFORMATION

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