



Grandview Materials Inc.

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Phone: (614) 488-6998 Fax: (614) 467-3000

MATERIAL SAFETY DATA SHEET

FOR TANTALUM

ISSUED DATE: JULY 26, 2013

1. COMPOSITION INFORMATION

CHEMICAL: TANTALUM
SYNOYM: Ta
FAMILY: REFRACTORY METAL
CAS REGISTER: 7440-25-7

2. HAZARDS IDENTIFICATION

CLASS NAME OF HAZARDOUS CHEMICAL: N/A
PHYSICAL AND CHEMICAL HAZARDS: N/A
ADVERSE HUMAN HEALTH EFFECT: N/A
ENVIRONMENTAL EFFECTS: N/A

3. FIRST AID AND MEASURES

EYE CONTACT: RINSE WITH WATER
SKIN CONTACT: WASH WITH SOAP AND WATER
INHALATION: REFRESH WITH FRESH AIR
INGESTION: VOMIT AND OBTAIN MEDICAL ATTENTION

4. FIRE-FIGHTING MEASURES

EXTUNGISHING: N/A
SPECIFIC HAZARD MEASURES: N/A

5. ACCIDENTAL RELEASE MEASURES

WIPE OFF WITH CLOTH

6. HANDLING AND STORAGE

HANDLING: AFTER CHECKING THE BOXES FOR DAMAGES AND LEAKES,
LOAD WITH CARE TO AVOID SHOCK, OVERTURN AND DROPPING
STORAGE: STORE AWAY FROM OXIDIZERS AND MINERAL ACIDS

7. EXPLOSION CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS: N/A
ENGINEERING MEASURES: N/A
PERSONAL PROTECTION EQUIPMENT: N/A
RESPIRATORY PROTECTION: N/A
EYE PROTECTION: CHEMICAL GOGLES
HAND, SKIN AND BODY PROTECTION: HAND: RUBBER GLOVES
CLOTHING: N/A
FOOTWARE: RUBBER BOOTS



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8. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: GRAY/SILVER
MOLECULAR WEIGHT: 180.95
STATE: TUBE, BAR, WIRE, SHEET, DISC & FOIL
MELTING POINT: 5426°F (2997°C)
BOILING POINT: 9797°F (5425°C)
VAPOR PRESSURE: N/A
VOLATILE: N/A
DENSITY: 16.654
INITIAL BOILING: HIGH (REFER TO BOILING POINT)
SOLUBILITY IN WATER: N/A

9. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

FLASHING POINT: N/A
AUTOIGNITION: N/A
UPPER & LOWER EXPLOSION POINT: N/A
FLAMMABILITY: N/A
SPONTANEOUS COMBUSTIBILITY: N/A
REACTIVITY: N/A
OXIDATION: N/A
SELF-REACTIVITY: N/A
STABILITY REACTIVITY: STABLE IN GENERAL CONDITIONS

10. TOXICOLOGICAL INFORMATION

CORROSIVE AND IRRITANT PROPERTIES: N/A
ALLERGENIC AND SENSITIZING EFFECTS: SLIGHTLY IRRIGATIVE TO HUMAN
SKIN, EYES AND MUCOUSMEMBRANES
ACUTE TOXICITY: N/A
SUB-CHRONIC EFFECTS: N/A
CARCINOGENIC EFFECTS: N/A
MUTAGENIC EFFECTS: N/A
EFFECTS ON REPRODUCTIVITY SYSTEM: N/A
TERATOGENIC EFFECTS: N/A

11. ECOLOGICAL INFORMATION

BIODEGRADABILITY: N/A
BIOACCUMULATION: N/A
FISH TOXICITY: N/A
OTHER: N/A

12. DISPOSAL CONSIDERATION

IMPROPER DISPOSAL MAY BE ILLEGAL. REFER TO THE APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS

13. TRANSPORTATION INFORMATION

US DOT 49 CFR 172.101 SHIPPING NAME-UN METAL POWDERS FLAMMABLE
NUMBER: (TANTALUM) -UN3089



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US DOT 49 CFR 172.101 HAZARD CLASS OR DIVISION:	4.1
US DOT 49 CFR 172.101 PACKING GROUP:	II
US DOT 49 CFR 172.101 AND SUBPART E LABELING REQUIREMENTS:	FLAMMABLE SOLID.
US DOT 49 CFR 172.101 PACKAGING AUTHORIZATIONS:	EXCEPTIONS: 49CFR 173.151 NON-BULK PACKAGING: 49 CFR 173.212 BULK PACKAGING: 49 CFR 173.240.
US DOT 49 CFR 172.101 QUANTITY LIMITATIONS:	PASSENGER AIRCRAFT OR RAILCAR: 15 kg. CARGO AIRCRAFT ONLY: 50kg.
14. REGULATORY INFORMATION:	N/A
15. OTHER INFORMATION:	N/A

Information mentioned here complies with data shown in various technical publications. To take the required safety handling measures, the user should decide to apply the information on his/her responsibility.

Information mentioned here were prepared based on the latest data obtained by our investigation at the time. It is subject to change with the amendment of laws and regulations, and the publication of new results of toxic test and the like.

*****End of Record*****