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
EXTINGUISHING: 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
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 IRRITATIVE TO HUMAN SKIN, EYES AND MUCOUSMEMBRANES
ACUTE TOXICITY: N/A
SUB-CHRONIC EFFECTS: N/A
CARCINAGENIC 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 NUMBER: METAL POWDERS FLAMMABLE (TANTALUM) -UN3089
US DOT 49 CFR 172.101 HAZARD CLASS OR DIVISION: 4.1
US DOT 49 CFR 172.101 PACKING GROUP: II

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**********