

PRMI

MATERIAL SAFETY DATA SHEET

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SECTION 1 Product Identification

CHEMICAL NAME: #3393 TANTALUM PELLETS

CAS#: 7440-25-7

FORMULA: Ta

EINECS #: 231-135-5

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	7440-25-7	100	5 mg/m ³	5 mg/m ³

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: No special measures required.

PRIMARY ROUTES OF EXPOSURE: Not applicable

EYE CONTACT: Powder form may cause irritation.

SKIN CONTACT: Not know to cause irritation.

INHALATION: Powder form may cause irritation to the respiratory tract.

INGESTION: No Data

SUBACUTE TO CHRONIC TOXICITY: Tumorigenic effects have been observed on test with laboratory animals. Tantalum dust has cause transient inflammatory lesions in the lungs of animals.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) . Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Consult a physician.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persists.

INHALATION: Seek medical treatment in case of complaints.

INGESTION: No specific data available. Seek medical assistance immediatley.

SECTION 5 Firefighting Measures

FLASH POINT: not applicable

AUTOIGNITION TEMPERATURE: None

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Use fire fighting measures that suit the surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: No special fire-fighting procedures required.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Metal oxide fume

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Wear appropriate respiratory and protective equipment to avoid exposure with material, sweep up and place in a well-marked container for disposal.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store in a tightly sealed container. Store in a cool, dry place. No Store away from oxidizing agents. Store away from halogens.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, faceshield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: Not required

RESPIRATOR: Not required.

ADDITIONAL PROTECTION: The usual precautionary measures for handling chemicals should be followed. Protective work clothing.

Safety shower, eyewash in area. Use in a controlled environment. Do not eat, drink or smoke in area.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: Gray solid; odorless

MOLECULAR WEIGHT: 180.948

MELTING POINT (DEG. C.): 2996

BOILING POINT: 5425 degrees C.

VAPOR PRESSURE: Not applicable

DENSITY @ 20 degees. C: 16.6 g/cm³

% VOLATILE BY VOLUME: Non volatile

SPECIFIC GRAVITY: No Data

SOLUBILITY IN WATER: Insoluble
