

1. Identification of the substance/preparation and of the company/undertaking	* Substance name: Tantalum, Ta, Ta2.5W * Application: capacitors, heat exchanger * Company: PLANSEE Metall GmbH, A-6600 Reutte, Tel.: +43 (5672) 600-0 *e-mail: georg.thurner@plansee.com * Emergency phone: +43 5672 600-2226 (only during office hours)
2. Hazards identification	* Classification: no hazardous substance according to Directive 67/548/EC
3. Composition / Information on ingredients	* Composition: Ta, CAS-Nr.: 7440-25-7 *Ta2.5W: additional 2.5% Tungsten, CAS-Nr.: 7440-33-7 * Dangerous components: none
4. First aid measures	*No exposure at intended use (solid metallic body)
5. Fire-fighting measures	* Suitable extinguishing agents: substance is not combustible, adapt extinguishing agent to surrounding area * Special risks: none * Protective equipment: none
6. Accidental release measures	* Person-related safety precautions: no special requirements * Environmental protection measures: no special requirements
7. Handling and storage	* Handling: no special requirements * Storage: no special requirements
8. Exposure controls / personal protection	* Exposure limit values: workplace: 5 mg/m ³ , inhalable fraction, daily average *Emission of suspended particles: General: 20 mg/m ³ *Water emissions: no limit * Exposure at workplace: no exposure at intended use * Environmental exposure: no exposure at intended use
9. Physical and chemical properties	* Appearance: grey solid * Melting point: 2996°C * Density: 16.6 g/cm ³ at 20°C * Solubility: insoluble in water, acids and alkalis, soluble in oxidizing acids in combination with hydrofluoric acid only
10. Stability and reactivity	* Conditions to be avoided: none * Materials to be avoided: none
11. Toxicological information	*No toxic effects known
12. Ecological information	* Ecological toxicity: no ecotoxic effects known * Mobility: low mobility, based on the low solubility * Persistence and biodegradability: stable inorganic material * Bioaccumulation potential: no data available
13. Disposal considerations	*Dispose residues as metal scrap *Notice national and regional regulations
14. Transport information	*No dangerous goods according to the international transport regulations
15. Regulatory information	*No labelling required *The exposure limits stated under item 8 refer to the Austrian legal provisions *Notice national regulations
16. Other information	*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.