1. Identification of the substance and of the company *Identification of the substance: Ta, Ta2.5W, Ta10W *Use of the substance: products such as for capacitors, heat exchanger *Company: PLANSEE SE, A-6600 Reutte, e-mail: environment.management@plansee.com *Emergency number: phone +43 (5672)600-0

2. Hazards Identification *Classification: not hazardous material pursuant to Regulation (EC) no. 1272/2008 EC or EC Directive 67/548/EEC *Compact Metal / Alloy with no Risk to Human Health or the Environment.

3. Composition/Information on ingredients *Summary: tantalum, tantalum (Ta2.5W/Ta10W) additional 2.5/10 % mass fraction tungsten EC no. 231-135-5, tungsten: 231-143-9 CAS no. tantalum: 7440-25-7, tungsten: 7440-33-7 *Hazardous components: none

4. First-aid measures *Inhalation: no exposure when used as directed. *Skin contact: wash dust off thoroughly with soap and water. *Doctor is needed or advisable: consult a physician after prolonged exposure to dust.


6. Accidental release measures *Personnel-related precautionary measures: dust should be suction cleaned directly at source. *Environmental protection measures: no particular environmental protection measures are required.


8. Exposure controls/personal protection *Exposure thresholds: workplace: tantalum 5 mg/m³, tungsten 5 mg/m³ inhalable fraction, mean daily value *Dust-like emissions: General 5 mg/m³ *Wastewater emissions: tungsten 5 mg/l *Workplace exposure: install suction cleaning when working with dust and sublimate and use at least one FF2P respirator. *Environmental exposure: install suction cleaning with filter when working with dust formation. *Do not empty into drains.

9. Physical and chemical properties *Appearance: solid grey material *Melting point: 2996°C *Density: 16.6 g/cm³ at 20°C *Solubility: insoluble in water, acids and bases, soluble only in oxidizing acids in combination with hydrofluoric acid.

10. Stability and reactivity *Conditions to be avoided: none *Substances to be avoided: none

11. Toxicological information *No known toxic effects.


13. Disposal considerations *Dispose of residues as metal waste. *Obey national or regional regulations.

14. Transport information *ADR / RID / ADN / IATA (ICAO) / IMDG: not a dangerous good pursuant to international transport regulations.

15. Regulatory information *No labeling required. *The exposure thresholds given under item 8 pertain to Austrian legal regulations. *Obey national regulations.

16. Other information *Above information corresponds to our current state of knowledge However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. *Detailed results of the toxicological and ecotoxicological effects are described in the chemical safety report for REACH registration.