1. Identification of the substance and of the company
* Use of the substance: products such as for lighting- and welding technology, components for high-temperature furnace construction, quartz glass production, ion implantation, thin film technology, medical applications
* Company: PLANSEE SE, A-6600 Reute, 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: tungsten, addition of oxides of La and Ce, Al- and K-silicate, < 2% mass fraction
* CAS no.: 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.

5. Fire-fighting measures
* Suitable extinguishing media: The product itself is not flammable. Adapt extinguishing measures to surroundings.
* Special hazard: increased fire hazard during dust formation.
* Protective equipment: breathing protection in the presence of 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.

7. Handling and storage
* Handling: Avoid dust formation. Use suction cleaning if unavoidable and when processing at high temperatures (sublimation formation, see item 10).
* Storage: no special measures required.

8. Exposure controls/personal protection
* Exposure thresholds: workplace: 5 mg/m³ inhalable fraction, mean daily value
* Dust-like emissions: General 5 mg/m³
* Wastewater emissions: 5 mg/l
* Workplace exposure: install suction cleaning when working with dust and sublimate and use at least one FFP2 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: 5410 °C
* Density: 19.3 g/cm³ at 20°C
* Solubility: insoluble in water, acids and bases; soluble only in hydrofluoric acid or a base in combination with a strong oxidizing agent.

10. Stability and reactivity
* Conditions to be avoided: high temperatures in air (strong oxidation beginning around 400°C, sublimation of WO₃ beginning around 850°C).
* Substances to be avoided: none

11. Toxicological information
* No known toxic effects.

12. Ecological information
* Ecotoxicity: No known ecotoxic effects.
* Mobility: low mobility due to low solubility.
* Persistence and degradability: stable inorganic material.
* Bioaccumulation potential: no evidence of bioaccumulation potential.

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.