1. Identification of the substance and of the company

* Identification of the substance: Densimet, Densimet D2M, Inermet

* Use of the substance: products such as for protection shields, counter weights

* Company: CIME BOCUZE, 446, avenue des Digues, BP 301, St. Pierre en Faucigny, F-74807 La Roche sur Foron Cedex and PLANSEE Composite Materials GmbH, Siebenbürgenstr.23, D-86983 Lechbruck, e-mail: environment.management@plansee.com

* Emergency number: phone +33 (4) 5025 37 00, phone +49 (8862)773-0

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.

* EC No.1272/2008 Annex VI Tab. 3.1: Nickel: carc. 2 can potentially cause cancer, H351; STOT RE 1 Prolonged or repeated exposure damages organs, H372; skin sens. 1. Can evoke allergic skin reactions, H317; EC No.1272/2008 Annex VI Tab.3.2: Nickel: carc. cat. 3; R40: suspected carcinogenic effect; T, R48/23, poisonous: risk of serious health damage during prolonged exposure through inhalation, R43, may cause sensitisation by skin contact;

* EC No.1272/2008 Annex VI Tab. 3.1: Nickel: aquatic chronic 3 hazardous to aquatic organisms with long-term effect, H412; EC No.1272/2008 Annex VI Tab.3.2: Nickel: R52-53, hazardous to aquatic organisms, can have long-term damaging effects in bodies of water;

3. Composition/Information on ingredients

* Summary: tungsten, nickel 1-30 % mass fraction, iron 0-15 % mass fraction, copper 0-10 % mass fraction, molybdenum 0-5 % mass fraction

* CAS no. tungsten: 7440-33-7, nickel: 7440-02-0

* Hazardous components: see item 2.

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 (sublimate formation, see item 10). * Storage: no special measures required.

8. Exposure controls/personal protection

* Exposure thresholds: workplace: tungsten 5 mg/m³, nickel 0,5 mg/m³ inhalable fraction, mean daily value * Dust-like emissions: General 5 mg/m³, nickel 1 mg/m³ * Wastewater emissions: tungsten 5 mg/l, nickel 0,5 mg/l * Workplace exposure: install suction cleaning when working with dust and sublimate and use at least one FFP3 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: 3400°C * Density: 12 to 18.5 g/cm³ at 20°C * Solubility: insoluble in water, acids and bases; soluble only in complex-forming acids (sulphuric or phosphoric) or bases in combination with a strong oxidizing agent.

10. Stability and reactivity

* Conditions to be avoided: high temperatures in air (strong oxidation beginning around 850°C, sublimate formation, see item 2). * Substances to be avoided: none

11. Toxicological information

* See under item 2.

12. Ecological information


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.