1. Identification of the substance and of the company	* **Identification of the substance:** Elmet, Sparkal * **Use of the substance:** products such as for arcing contacts, heat sinks, electrodes ***Company:** Heeger Materials Inc, 230 Steele St Denver, CO 80206, United States, e-mail:sales@heegermaterials.com * **Emergency number:** phone +33 (4) 5025 37 00, +41 62 769 60 80, +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.
3. Composition/Information on ingredients	* **Summary:** tungsten, copper 10-40 % mass fraction EC no. tungsten: 231-143-9, copper: 231-159-6 CAS no. tungsten: 7440-33-7, copper: 7440-50-8 * **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 (sublimate formation, see item 10). ***Storage:** no special measures required.
8. Exposure controls/personal protection	* **Exposure thresholds:** workplace: tungsten 5 mg/m³ inhalable fraction, mean daily value, copper 1 mg/m³ * Dust-like emissions: General 5 mg/m³, copper 2 mg/m³ *Wastewater emissions: tungsten 5 mg/l, copper 0,5 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:** tungsten 3410°C, copper 1083°C ***Density:** 13 to 18,3 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 data available.
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.

Information about the content

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