

1. Identification of the substance and of the company	* Identification of the substance: W5Re, W26Re * Use of the substance: products such as for focal paths for X-ray targets, thermoelements *Company: Heeger Materials Inc, 230 Steele St Denver, CO 80206, United States, e-mail: sales@heegermaterials.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 74 % mass fraction, rhenium 26 % mass fraction EC no. tungsten: 231-143-9, rhenium: 231-124-5 CAS no. tungsten: 7440-33-7, rhenium: 7440-15-5 * 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/m ³ inhalable fraction, mean daily value, *Dust-like emissions: General: 5 mg/m ³ *Wastewater emissions: tungsten 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: > 3180°C *Density: 19,4 to 19,7 g/cm ³ 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 WO ₃ 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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