

<b>1. Identification of the substance and of the company</b>	<b>*Identification of the substance:</b> Mo5Re, Mo41Re <b>*Use of the substance:</b> products such as for e.g. high temperature thermoelements <b>*Company:</b> Heeger Materials Inc, 230 Steele St Denver, CO 80206, United States, e -mail: <a href="mailto:sales@heegermaterials.com">sales@heegermaterials.com</a> <b>*Emergency number:</b> phone +43 5672 600-0
<b>2. Hazards Identification</b>	<b>*Classification:</b> not hazardous material pursuant to regulation (EC) no. 1272/2008 EC or EC Directive 67/548/EEC <b>*Compact Metal / Alloy with no Risk to Human Health or the Environment.</b>
<b>3. Composition/Information on ingredients</b>	<b>*Summary:</b> molybdenum 59 % mass fraction, rhenium 41 % mass fraction EC no. molybdenum: 231-107-2, rhenium: 231-124-5 CAS no. molybdenum: 7439-98-7, rhenium: 7440-15-5 <b>*Hazardous components:</b> none
<b>4. First-aid measures</b>	<b>*Inhalation:</b> no exposure when used as directed. <b>*Skin contact:</b> wash dust off thoroughly with soap and water. <b>*Doctor is needed or advisable:</b> consult a physician after prolonged exposure to dust.
<b>5. Fire-fighting measures</b>	<b>*Suitable extinguishing media:</b> The product itself is not flammable. *Adapt extinguishing measures to surroundings. <b>*Special hazard:</b> increased fire hazard during dust formation. <b>*Protective equipment:</b> breathing protection in the presence of dust.
<b>6. Accidental release measures</b>	<b>*Personnel-related precautionary measures:</b> dust should be suction cleaned directly at source. <b>*Environmental protection measures:</b> avoid contamination of agricultural soils (see item 12).
<b>7. Handling and storage</b>	<b>*Handling:</b> Avoid dust formation. Use suction cleaning if unavoidable and when processing at high temperatures (sublimate formation, see item 10). <b>*Storage:</b> no special measures required.
<b>8. Exposure controls/personal protection</b>	<b>*Exposure thresholds:</b> workplace: molybdenum 10 mg/m <sup>3</sup> inhalable fraction, mean daily value *Dust-like emissions: General 5 mg/m <sup>3</sup> *Wastewater emissions: molybdenum 5 mg/l <b>*Workplace exposure:</b> install suction cleaning when working with dust and sublimate and use at least one FFP2 respirator. <b>*Environmental exposure:</b> install suction cleaning with filter when working with dust formation. *Do not empty into drains.
<b>9. Physical and chemical properties</b>	<b>*Appearance:</b> solid grey material <b>*Melting point:</b> > 2610°C <b>*Density:</b> Mo5Re: 10,7 g/cm <sup>3</sup> at 20°C Mo41Re: 14,6 g/cm <sup>3</sup> at 20°C <b>*Solubility:</b> insoluble in water, acids and bases; soluble only in complex-forming acids (sulphuric or phosphoric) or bases in combination with a strong oxidizing agent.
<b>10. Stability and reactivity</b>	<b>*Conditions to be avoided:</b> high temperatures in air (strong oxidation beginning around 600°C, sublimation of MoO <sub>3</sub> beginning around 700°C). <b>*Substances to be avoided:</b> none
<b>11. Toxicological information</b>	*No known toxic effects.
<b>12. Ecological information</b>	<b>*Ecotoxicity:</b> "molybdenosis (copper deficiency disease caused by Mo in ruminants) *No other ecotoxicological effects. <b>*Mobility:</b> low mobility due to low solubility. <b>*Persistence and degradability:</b> stable inorganic material <b>*Bioaccumulation potential:</b> no data available.
<b>13. Disposal considerations</b>	*Dispose of residues as metal waste. *Obey national or regional regulations.
<b>14. Transport information</b>	<b>*ADR / RID / ADN / IATA (ICAO) / IMDG:</b> not a dangerous good pursuant to international transport regulations.
<b>15. Regulatory information</b>	*No labeling required. *The exposure thresholds given under item 8 pertain to Austrian legal regulations. *Obey national regulations.
<b>16. Other information</b>	*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 toxicological and ecotoxicological effects are described in the chemical safety report for REACH registration.

Information about the content

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