

Safety Data Sheet

pursuant to Regulation (EC) 1907/2006 (REACH)
REACH reg. no. --

Trade name: **PM 1000/PM 1500**
SDS no. SD-CF-02



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| 1. Identification of the substance and of the company | *Identification of the substance: PM 1000, PM1500 *Use of the substance: products such as for components for aerospace, Components for glass- and ceramics industry *Company: PLANSEE Powertech AG, Retterswil 13, CH-5703 Seon, e-mail: info@plansee.com *Emergency number: phone +41 62 769 60 80 |
| 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: nickel 65-75 % mass fraction, chromium 20-30 % mass fraction, iron 3 % mass fraction EC no. nickel: 231-111-4 , chromium: 231-157-5, iron: 231-096-4 CAS no. nickel: 7440-02-0, chromium: 7440-47-3, iron: 7439-89-6 *Hazardous components: see under 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 with filter if unavoidable. *Storage: no special measures required. |
| 8. Exposure controls/personal protection | *Exposure thresholds: workplace: nickel 0,5 mg/m ³ inhalable fraction, mean daily value ,chromium 2 mg/m ³ , iron 1 mg/m ³ inhalable fraction, mean daily value *Dust-like emissions: nickel 1 mg/m ³ ,chromium 2 mg/m ³ *Wastewater emissions: nickel 0,5 mg/l, chromium 0,5 mg/l, iron 2 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: >1400°C *Density: 8,2 to 8,4 g/cm ³ at 20°C *Solubility: insoluble in water. |
| 10. Stability and reactivity | *Conditions to be avoided: none *Substances to be avoided: none |
| 11. Toxicological information | *See under item 2. |
| 12. Ecological information | *Ecotoxicity: See under item 2. *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. |