

# Safety Data Sheet

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

Trade name: **Chromium-Iron Alloys CFY / ITM**  
SDS no. SD-CF-02



Revised on 04 Jan. 2016/ Issued: Kollnig S.

Version: 1.2 / EN

page 1 of 1

<b>1. Identification of the substance and of the company</b>	<b>*Identification of the substance:</b> Chromium-Iron Alloys CFY / ITM <b>*Use of the substance:</b> products such as for solid oxide fuel cells <b>*Company:</b> PLANSEE SE, A-6600 Reutte, e-mail: <a href="mailto:environment.management@plansee.com">environment.management@plansee.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> CFY: chromium 94 % mass fraction, iron 5 % mass fraction, <1 % mass fraction non-hazardous metals and oxides / ITM: iron 71 % mass fraction, chromium 26 % mass fraction, <1 % mass fraction non-hazardous metals and oxides EC no. chromium: 231-157-5, iron: 231-096-4 CAS no. chromium: 7440-47-3, iron: 7439-89-6 <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> no particular environmental protection measures are required.
<b>7. Handling and storage</b>	<b>*Handling:</b> Avoid dust formation. *Use suction cleaning with filter if unavoidable. <b>*Storage:</b> dry storage.
<b>8. Exposure controls/personal protection</b>	<b>*Exposure thresholds:</b> workplace: chromium 2 mg/m <sup>3</sup> , iron 1 mg/l inhalable fraction, mean daily value *Dust-like emissions: chromium 2 mg/m <sup>3</sup> *Wastewater emissions: chromium 0,5 mg/l, iron 2 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> > 1500°C <b>*Density:</b> 7,2 to 7,7 g/cm <sup>3</sup> at 20°C <b>*Solubility:</b> insoluble in water, acids and bases.
<b>10. Stability and reactivity</b>	<b>*Conditions to be avoided:</b> none. <b>*Substances to be avoided:</b> Oxidant
<b>11. Toxicological information</b>	*No known toxic effects.
<b>12. Ecological information</b>	<b>*Ecotoxicity:</b> No known ecotoxic 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.