

Material Safety Data Sheet

HPM-02

Reviewed on 2002-08-14

PLANSEE

1. Identification of substance and manufacturer	*Substance name: High Performance Materials: Mo, TZM, MHC, ML, MY, MoW, MoRe, MoCu, W, WL10, WL15, WC20, WZ 08, WVM, WVMW, WCu, WCAg, Ta, Ta2.5W, Nb, Nb1Zr, Cr, Ducrolloy (CRF), CuCr, PM 2000, γ-TiAl *Manufacturer: PLANSEE AG, A-6600 Reutte *Contact: Dr. Georg Thurner / QSE-Management, Tel. +43 (5672) 600-2226, e-mail: georg.thurner@plansee.com
2. Composition / Data on components	*Composition: Refractory metals (Mo, W, Ta, Nb, Cr, Re), Cu, Ag, Fe, Ti and oxides of La, Y, Ce, Zr as alloying components and γ-TiAl *Dangerous components: None
3. Hazards identification	*Hazard description: None
4. First aid measures	*After inhalation: Supply fresh air *After skin contact: Remove dust by washing with water and soap
5. Fire fighting measures	*Suitable extinguishing agents: Water or fire-extinguisher *Protective equipment: No special measures required
6. Accidental release measures	*Person-related safety precautions: Avoid inhalation of airborne dust
7. Handling and storage	*Handling: Avoid formation of airborne dust *install exhaust at hot forming workplaces for Mo- and W-alloys to remove sublimate *Storage: No special requirements
8. Exposure controls and personal protection	*Threshold limit value: 15mg/m ³ (total dust) *Install exhaust at hot forming workplaces for Mo- and W-alloys *Personal protective equipment: In case of intensive exposure to sublimated oxides use protective mask
9. Physical and chemical properties	*Appearance: Grey solids *Melting point: 1450-3410°C *Density: 3,7-19,3g/cm ³ at 20°C
10. Stability and reactivity	*Mo- and W-alloys form oxides which sublimate during heating on air
11. Toxicological information	*No toxic effects known
12. Ecological information	*No ecotoxicological effects known
13. Disposal considerations	*Dispose residues as metal scrap
14. Transport information	*No special requirements
15. Regulations	*Notice national regulations
16. Other information	*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

NOTE:

The WL10 Lanthanated Tungsten material is produced by Plansee and is used in the manufacture of the Cianflone Scientific Catalog #2712 Tungsten Anode

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