

TUNGSTEN COMPOUNDS

Number PD-1117 Issue 8-07.09.2017

TUNGSTIC ACID

Description of Product Bright yellow fine powder for the production of tungsten metals and catalysts.

Chemical Characteristics (Mass fraction in % [cg/g];		Physical Characteristics
WO ₃ (calculated) ⁴⁾ Al As Fe Mo Na Si V	92 – 94 % max. 5 ppm max. 5 ppm max. 10 ppm max. 20 ppm max. 20 ppm max. 10 ppm max. 5 ppm	Loss on ignition $(750^{\circ}C/2.0h)$ 6 -8% Apparent density ²⁾ 5 $-8g/inch^3$ Fisher number (as supplied) max. 0.8 µm Sieve analysis ³⁾ -250 µm 100 % - 63 µm 99 %
Packaging	480 kg in a FIBC (Big Bag) with liner. 50 kg in a 80 L steel drum with polyethylene bag. Other kinds of packaging are available on request.	
Storage and Handling	The user must observe all the relevant safety regulations in force in the country of use. Store in a closed container.	
Documentation	An inspection document shipment.	t in accordance with EN 10204 is supplied with every
Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48) None.		

¹⁾ Information on chemical analytical methods and list of analyzed items on request,

²⁾ SCOTT-VOLUMETER per ASTM B 329, 3) Screening method AIRJET, 4) Calculated as 100% - LOI.



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REACh Registration acc. REGULATION (EC) No 1907/2006 dated December 18, 2006

H.C. Starck is taking all necessary actions under REACh in order to continue the supply of its products. All components of the HCST products are registered, pre-registered or exempted from registration. You will find the REACH Registration No. (if already assigned) in section 3 of our EU Safety Data Sheet.

Hazardous Chemicals

According to H.C. Starck's (the Company) environmental policy, to the best of the Company's knowledge, from the Company's level of awareness at date and with respect to the directives listed herein (in the **currently valid and last amended version** - which have been reviewed after its publication by Company with regard to its relevance for the Company's aforementioned product), the Company assumes that the substances regulated by said directives are not contained in the product in amounts which exceed the applicable limits. The Company does not analyse the final product with regard to these substances, before the product is sent to the customer. ***** REACH Regulation (EC) No 1907/2006 dated December 18, 2006

- * REACH Regulation (EC) No 1907/2006, List of Candidates and Appendix XIV
- * GHS/CLP Regulation (EC) No 1272/2008 dated December 16, 2008
- Directive 2011/65/EU of the European Parliament and the Council dated June 8, 2011 in respect of the restriction of the application of certain dangerous substances in Electrical and Electronic equipment (RoHS)
- * Directive 94/62/EC of the European Parliament and the Council dated December 20, 1994 in respect of packaging and packaging waste

Conflict Free Smelter status

H.C. Starck is following the conflict free smelter program, status see see also the H.C. Starck Group Raw Material Procurement Statement

http://www.conflictfreesourcing.org http://www.hcstarck.com

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