

Technical Data Sheet

Tungsten disulfide powder

Date Issued: 2019-08-14

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Tungsten disulfide powder
Product code	NC-0016-HP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)176 – 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Tungsten disulfide
CAS No.	12138-09-9
Empirical Formula	WS ₂
Molecular weight	248 amu
Purity	99 %
Average Particle Size (SSA)	90 nm
Specific Surface Area (SSA)	30 m ² /g
Appearance	solid
Color	silver gray
True Density	7.5 g/cm ³
Melting Point (decomposes)	1250°C
Boiling Point	1260°C
Coefficient of Friction	0.03 Dynamic; 0.07 Static

Technical Data Sheet

Tungsten disulfide powder

Date Issued: 2019-08-14

3 DISCLAIMER

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USER'S RESPONSIBILTY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.