

Technical Data Sheet

Molybdenum disulfide

Revision Date: 8/18/2025

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

Product name	Molybdenum(IV) sulfide, powder
Product code	NC-0017-HP
CAS	1317-33-5
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

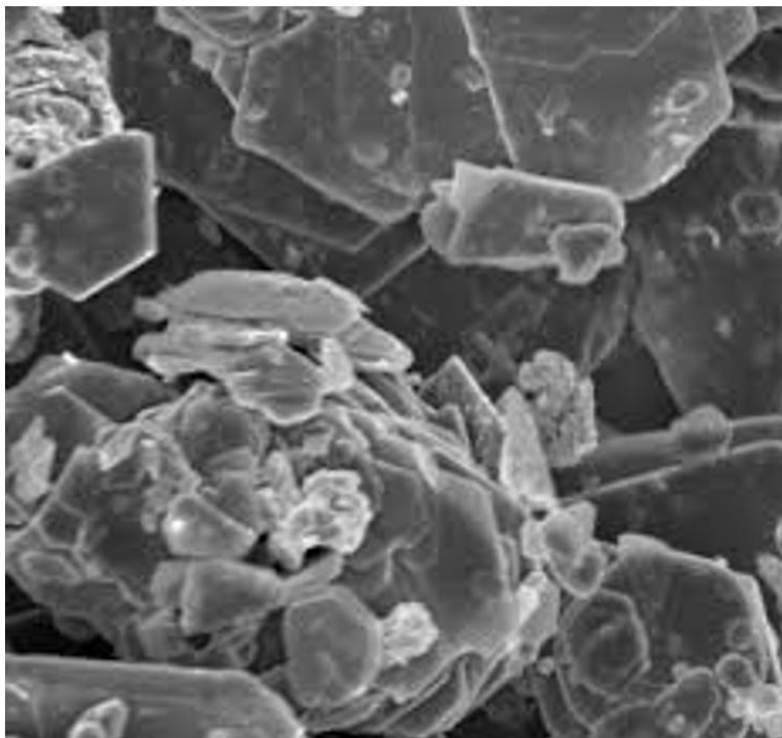
Ingredient name	Molybdenum(IV) sulfide
CAS No.	1317-33-5
Empirical Formula	MoS ₂
Molecular weight	160.07 g/mol
Purity	99%
Morphology	nearly spherical
Average Particle Size	90 nm
Specific Surface Area	35 m ² /g
Relative Density	5.06 g/cm ³
Bulk Density	~ 0.78 g/cm ³
Melting point	2375°C

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3 SCANNING ELECTRON MICROSCOPY



4 OTHER INFORMATION

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