



# KRYSTAL LUBETECH PVT. LTD.

B-17, Greenwood City, Sector- 45, Gurgaon Haryana - 122 002

## MOLYBDENUM DISULFIDE

### DESCRIPTION

Molybdenum disulfide (MoS<sub>2</sub>) is a lubricant available in three grades—Technical, Technical Fine, and Super Fine. MoS<sub>2</sub> content is available from 96% to 99.5%, typical MoS<sub>2</sub> content (calculated average) is 98.5%.

### SPECIFICATIONS

Typical Analysis	Technical	Technical Fine	Super Fine
Acid Insoluble	0.50%	0.50%	0.50%
Fe	0.25%	0.25%	0.25%
MoO <sub>3</sub>	0.05%	0.10%	0.15%
H <sub>2</sub> O	0.10%	0.15%	0.20%
Oil	0.20%	0.40%	0.40%
SiO <sub>2</sub>	0.20%	0.20%	0.10%
Carbon	0.5%	0.5%	0.5%
Acid Number*	0.5	2.0	3.0
Laser Median Particle Size	< 30 µm	< 6 µm	< 1.5µm
Fisher Number	3 to 4 µm	0.65 to 0.8 µm	0.4 to 0.45 µm

\*Acid number is determined at time of production. Prolonged storage will result in slight oxidation, which will produce an increase in acid number. The smaller particle size grades are more susceptible to surface oxidation. Acid number is expressed as an absolute value and is the mg of KOH required to neutralize the acid in a one-gram sample.

### PACKAGING

Package	Package Size (Diameter*Height)	GW/NW	Drums per pallet
Fiber Drum	36 cm * 48 cm	27.4kg / 25kg	18
Iron Drum (lined)	40 cm * 70cm	57.6kg / 50 kg	8

**Technical Information:** Technical information, recommendations, and other statements contained in this document or provided by Krystal Lubetech personnel are based on tests or experience that Krystal Lubetech believes are reliable, but the accuracy or completeness of such information is not guaranteed. Such information is intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any Krystal Lubetech or third party intellectual property rights is granted or implied with this information.