



TECHNICAL DATA SHEET

Product	Molybdenum disulfide
Chemical Name	disulfuredemolybdene;molybdenumsulfide
CAS	1317-33-5
Chemical Formula	MoS ₂
Molecular Weight	160.07
EINECS Number	215-263-9
Molecular structure	



SPECIFICATION :

Typical Analysis	Technical	Technical Fine	Super Fine
Acid Insoluble	0.50%	0.50%	0.50%
Fe	0.25%	0.25%	0.25%
MoO ₃	0.05%	0.10%	0.15%
H ₂ O	0.10%	0.15%	0.20%
Oil	0.20%	0.40%	0.40%
SiO ₂	0.15%	0.15%	0.10%
Acid Number*	0.5	0.5	2
Laser Median Particle Size (D50)	16~30 μm	4~6μm	0.9~1.6μm
Fisher Number	3 to 4 μm	0.65 to 0.8 μm	0.4 to 0.45 μm

Packaging :

25kg Fiber Drum or 50kg Iron Drum or pack as customer requirements.

Application:

- 1) Used for making lubricating grease, solid lubricating film additive, nylon and other fillers and catalysts
- 2) It is widely used in automobile industry and machinery industry. It can also be used as non-ferrous metal film remover and forging die lubricant.
- 3) It is used for the preparation of molybdenum compounds, as well as hydrogenation catalyst, for oil-free lubrication of drill bits, cutting tools and other lubricants of hard alloy steel
- 4) Used as cooling lubricant for metal cutting
- 5) Used as lubricant additive and nonferrous metal film remover
- 6) Used as lubricant in various gear boxes
- 7) Hydrogenation and isomerization catalyst

Shelf Life:

2 years in original packaging containers.