



MOLYBDENUM DISULFIDE

Technical, Technical Fine, Super Fine
MoS₂

Rose Mill Company, manufacturer of Bemol brand lubricants, offers technical grade, technical fine grade, and super-fine grade molybdenum disulfide powder for use in lubricant manufacturing and end-use applications. Technical grade is manufactured in accordance with MIL/AMS-M-7866.

Rose Mill stocks MoS₂ in 1 lb., 5 lb., and 25 lb. plastic pails (available online at www.RoseMill.com), and 200-250 lb. fiber drums. Custom packaging, custom formulations, and custom powdering is available to meet your specifications. Contact us for details.

Product Analysis

Molybdenum Disulfide CAS 1317-33-5

<u>Typical Analysis</u>	<u>Technical</u>	<u>Technical Fine</u>	<u>Super Fine</u>
MoS ₂	98.0% min.	98.0% min.	98.0% min.
Acid (insoluble)	0.50% max	0.50% max	0.50% max
Fe	0.25% max	0.25% max	0.25% max
MoO ₃	0.05% max	0.05% max	0.15% max
H ₂ O	0.02% max	0.05% max	.015% max
Oil	0.05% max	0.40% max	0.40% max
C	1.50% max	1.50% max	1.50% max
Acid Number	0.05	.025	3.0
Particle Size (avg)	7+ um	3-7 um	< 3 um

GENERAL PROPERTIES

Hardness	1 – 1.5 Mohs Scale (basal plane)
Density	4.96 +/- 0.03 (x-ray diffraction calculation)
Wettability	60° contact angle ^w /water
Electrical	Semi-conductor <i>p</i> or <i>n</i> type

Availability

- Jars/Pails
- Fiber Drums

- Custom Sizes