



NORTH METAL & CHEMICAL COMPANY
World Class Molybdenum & Tungsten Compounds
 Since 1921

mtc 10082012

Technical Bulletin

MOLYBDENUM TRIOXIDE (Hi Sol)

About us....

- Founded in York, PA in 1921, NM&C remains a financially stable, family owned producer of *World Class Molybdenum & Tungsten* compounds serving the Metal Finishing, Agriculture, Water Treatment, Pigment, and Antifreeze markets worldwide.
- NM&C maintains over \$2 million inventory of finished goods and ore concentrates to guarantee our customers a stable and secure source of molybdate in the event of a crisis or shortage.
- All orders for one drum to truckload quantities are shipped the next business day or as requested.
- NM&C molybdates are American Made and backed by full 'Cradle-to-Grave' product liability.
- NM&C is unrivaled in customer service and technical support.
- Strict Quality Assurance programs and ISO 9002 practices assure products of the highest quality and consistency.



Description: Occurs as a rare mineral, molybdite, an odorless, light green or light blue crystalline solid.

Technical Specifications: ... *Pure, high solubility, made from Tech Grade Molybdic Oxide. CAS No. 1313-27-5.*

Element	Specification	Typical Analysis
Mo %	60.10 % min.	61.50 %
Cu	0.0375 %	0.0250 %
S	0.095 %	0.040 %
Al	0.5 %	0.4 %
Pb	0.048 %	0.033 %
Fe	0.55 %	0.48 %
As	100 ppm	< 100 ppm
P	0.030 %	0.025 %
Solubility Mo	98.50 % min.	98.65 %

Applications: Varied applications to include use as a component of alloy steels, an anti-microbial in water treatment systems, and formulation of water treatment chemicals.

Packaging: Available in 300 lb. fiber drums.

Shelf Life: At least five years.

Safety: Refer to MSDS for specific hazards and precautions.



NORTH METAL & CHEMICAL CO.
 P.O. Box 1904, 609 E. King St.
 York, PA 17402

Phone: (717) 845-8646
 FAX: (717) 846-7350
 Email: north@nmc-nic.com
 Web: www.nmc-nic.com