



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

AHM 022414

Technical Bulletin

AMMONIUM HEPTAMOLYBDATE

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:

A high purity, low trace molybdate represented by the formula $(\text{NH}_4)_6 \text{Mo}_7 \text{O}_{24} \cdot 4\text{H}_2\text{O}$. Also known as ammonium molybdate tetrahydrated.

Technical Specifications: ...High Purity, Highly Soluble Technical Grade (CAS No. 12054-85-2)

Element	Specification	Typical Analysis
Molybdenum (Mo); % wt.	54.25 min	54.30
Aluminum (Al); % wt.	6 ppm max.	< 5 ppm
Arsenic (As); % wt.	5 ppm max.	< 3 ppm
Calcium (Ca); % wt.	5 ppm max.	< 2 ppm
Chromium (Cr); % wt.	5 ppm max.	< 1 ppm
Copper (Cu); % wt.	10 ppm max.	< 2 ppm
Iron (Fe); % wt.	5 ppm max.	< 2 ppm
Lead (Pb); % wt.	10 ppm max.	< 10 ppm
Potassium (K); % wt.	75 ppm max.	< 40 ppm
Nickel (Ni); % wt.	5 ppm max.	< 3 ppm
Silicon (Si); % wt.	5 ppm max.	< 4 ppm
Sodium (Na); % wt.	2 ppm max.	< 1 ppm

Packaging: Available in 300 lb. fiber drums. Special packaging available upon request.

Shelf Life: At least one year if properly stored in unopened container.

Safety: Non-hazardous. Non-flammable. Refer to MSDS for additional precautions



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