



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

ADM 11.21.2013

Mo

AMMONIUM DIMOLYBDATE - Technical Data Sheet

Technical Bulletin

AMMONIUM DIMOLYBDATE

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 $(\text{NH}_4)_2 \text{Mo}_2 \text{O}_7$. Also known as molybdic acid, ADM, and ammonium polymolybdate.

Technical Specifications: ...High Purity, Highly Soluble Technical Grade
 (CAS No. 27546-07-2)

| Element | Specification | Typical Analysis |
|--------------------------|---------------|------------------|
| Molybdenum (Mo); % wt. | 56.4 | 56.5 |
| Alkalies (K + Na); % wt. | 0.0075 | < 0.0065 |
| Aluminum (Al); % wt. | 0.0010 | < 0.0005 |
| Calcium (Ca); % wt. | 0.0010 | < 0.0008 |
| Chromium (Cr); % wt. | 0.0007 | < 0.0004 |
| Copper (Cu); % wt. | 0.0010 | < 0.0007 |
| Iron (Fe); % wt. | 0.0010 | < 0.0008 |
| Lead (Pb); % wt. | 0.0005 | < 0.0003 |
| Magnesium (Mg); % wt. | 0.0010 | < 0.0010 |
| Nickel (Ni); % wt. | 0.0010 | < 0.0003 |
| Silicon (Si); % wt. | 0.0010 | < 0.0004 |
| Tin (Sn); % wt. | 0.0010 | < 0.0003 |
| Titanium (T); % wt. | 0.0010 | < 0.0003 |

Packaging: Available in 50, 100, 200 or 400 lb. Poly-lined pails / fiber drums. Special packaging available upon request.

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

NORTH METAL & CHEMICAL CO.
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