



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

Technical Bulletin

SODIUM MOLYBDATE SOLUTION 35%

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 clear, colorless, aqueous solution containing 35% sodium molybdate as Na_2MoO_4 .

Technical Specifications: ...High Purity, Technical Grade Solution

(CAS No. 7631-95-0)

Element	Specification
$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$; % wt	40.7 - 41.6
Na_2MoO_4 ; % wt.	34.7 - 35.4
Molybdenum (Mo); % wt.	16.2 - 16.5
Specific Gravity @ 24° C	1.377 - 1.386
pH	8.5 - 10.0
Mercury (Hg); % wt	0.005 Max.
Chloride; % wt.	0.005 Max.
Arsenic (As); % wt.	0.0020 Max.
Heavy Metals as Lead (Pb); % wt.	0.001 Max.
Insoluble Matter; % wt.	0.01 Max.

Applications: Used as a corrosion inhibitor for open and closed cooling water systems, engine coolants, metalworking fluids, metal finishing, and oil drilling mud's. Also used in pigments and agriculture.

Packaging: Available in 630 lb. Poly drums, 3100 lb. totes, and tank wagons.

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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