



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

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Molybdates

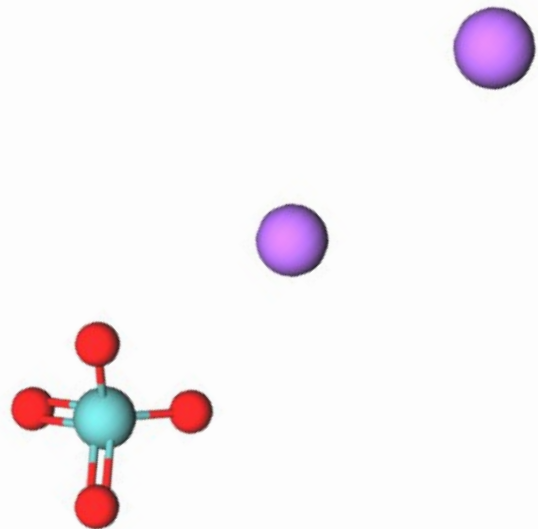
Technical Data Sheet

SODIUM MOLYBDATE SOLUTION

Sodium Molybdate Solution (SMS) is A clear, colorless, aqueous solution containing 35% sodium molybdate. Sodium Molybdate Solution is used as a corrosion inhibitor for open and closed cooling water systems, engine coolants, metal-working fluids, metal finishing, and oil drilling mud's. It has also been used in pigments and as a micronutrient in animal feeds and agriculture. CAS#: 7631-95-0

Technical Specifications: Na₂MoO₄

Appearance	Clear, colorless liquid
Na ₂ MoO ₄ · 2H ₂ O, %	40.7 - 41.6
Na ₂ MoO ₄ , %	34.7 - 35.4
Molybdenum (Mo), %	16.2 - 16.5
Specific Gravity @ 24°C	1.377-1.386
pH	8.5 - 10.0
Mercury (Hg), %	0.005 Max
Chloride, %	0.005 Max
Heavy Metals as Lead (Pb), %	0.001 Max
Arsenic (As), %	0.002 max
Insoluble Matter, %	0.01 max



Packaging: Available in 630lb drums, 3150 lb. totes, and small packs by request.

Storage: Store in a cool, dry area. Keep containers closed when not in use.

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

Safety: Non-hazardous. Non-flammable. See MSDS for specific information.



Sodium Molybdate Solution – Technical Data Sheet