



**NORTH METAL & CHEMICAL COMPANY**  
*World Class Molybdenum & Tungsten Compounds*

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*Since 1921*

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Molybdates

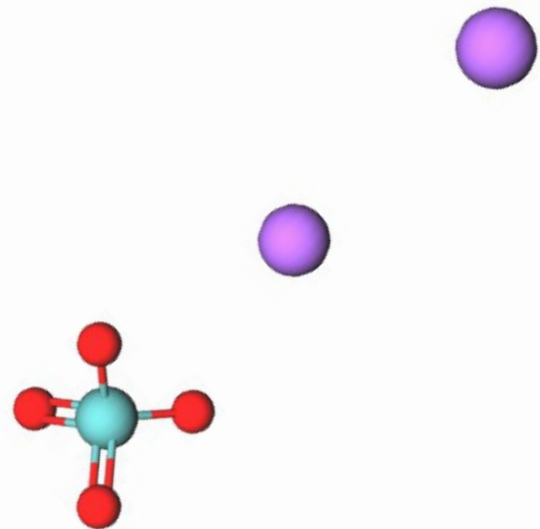
## Technical Data Sheet

# 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: Na<sub>2</sub>MoO<sub>4</sub>

|   |                         |
|---|-------------------------|
| Appearance  | Clear, colorless liquid |
| Na <sub>2</sub> MoO <sub>4</sub> · 2H <sub>2</sub> O, % | 40.7 - 41.6             |
| Na <sub>2</sub> MoO <sub>4</sub> , %                    | 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 five years if properly stored in unopened container.

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



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