



NORTH METAL & CHEMICAL COMPANY
World Class Molybdenum & Tungsten Compounds

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Since 1921

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Molybdates

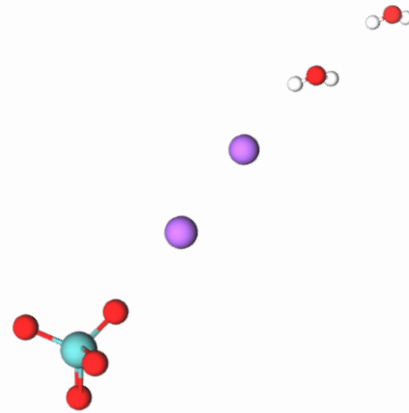
Technical Data Sheet

SODIUM MOLYBDATE DIHYDRATE

Sodium Molybdate Dihydrate (SMX) is a very fine, white, technical grade granule. Solubility is 76g/100ml @ 25° C; melting point is 686° C. When dissolved in water, the resulting solution is clear. Sodium Molybdate Dihydrate is used as a corrosion inhibitor for open and closed water-cooling 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#: 10102-40-6

Technical Specifications: $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$

Appearance	Fine, White Powder
$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$, %	99.5% Min
Na_2MoO_4 , %	84.5% Min
Molybdenum (Mo), %	39.6% Min
Water Loss @ 105°C, %	15 max
Melting Point, °C	687°C
Mercury (Hg), %	0.0005 Max
Chloride, %	0.01 Max
Heavy Metals as Lead (Pb), %	0.001 Max
pH, 5% Solution	7.5 - 10.0
Buk Density, lbs./ft ³	100



Packaging: Available in 200lb, 250lb, and 500lb drums, 2200 lb. Super-sacks, and small packs by request.

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

Shelf Life: At least one to five years if properly stored in unopened container with no evidence of hygroscopic hardening.

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



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