

PRODUCT DATA SHEET



**SODIUM
MOLYBDATE
DIHYDRATE (SMC)**

DESCRIPTION

Crystalline Sodium Molybdate Dihydrate (SMC) is represented by the formula $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$. Water loss and decomposition starts at approximately 100°C (212°F) and subsequent anhydrous form melts at 686°C (1267°F). SMC is a free flowing crystalline solid. Typical molybdenum content (calculated) for SMC is 39.6%.

SPECIFICATIONS

Percent by Weight

Moisture loss at 105°C (221°F)	15.00 max
Sulfate	0.07 max
Chloride	0.01 max
Phosphate	0.01 max
Silicate	0.01 max
Iron (Fe)	0.01 max

PACKAGING

Type	Weight	Units per pallet	Pallet weight
Fiber drum	200 lbs net	6	1200 lbs net
Bulk bag	2200 lbs net	1	2200 lbs net
Valve sack	25 kg net	40	1000 kg net

Produced at Fort Madison, Iowa.

SDS REQUIREMENTS

A copy of the safety data sheet (SDS) is available upon request.

QUALITY ASSURANCE / QUALITY CONTROL

All sites are **ISO 9001, 14001, 45001** certified. Analytical methods are available upon request.

CAS No: 10102-40-6 / EINECS No: 231-551-7

PDS SMC REV24-01



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OF FREEPORT-MCMORAN
ARE MOLYBDENUM MARK ASSURED
PRODUCERS



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