Climax Molybdenum
A Freeport-McMoRan Company

SODIUM MOLYBDATE DIHYDRATE (SMC)
($Na_2MoO_4 \cdot 2H_2O$)

DESCRIPTION

Crystalline Sodium molybdate dihydrate as represented by the formula $Na_2MoO_4 \cdot 2H_2O$, is also referred to as the dehydrate form. Water loss and decomposition starts at approximately 100°C (212°F) and subsequent anhydrous form melts at 686°C (1267°F).

SPECIFICATIONS

	Percent by Weight
Molybdenum (calculated)	39.6 min
Water loss at 105°C (221°F)	15.0 max
Sulfate	0.07 max
Chloride	0.01 max
Phosphate	0.01 max
Silicate	0.01 max
Iron	0.01 max

PACKAGING

Fiber drum*	200 lb net
Paper bag	25 kg

* polyethylene-lined

Produced at Fort Madison, Iowa.

MSDS REQUIREMENTS

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

QUALITY ASSURANCE

We are committed to the production of the highest quality Molybdenum products, to the continual improvement of our manufacturing processes, and long-term partnerships with our customers. To accomplish this, all our employees and suppliers work as a team, assuring strict conformance to this specification as well as customer requirements. A quality assurance system has been implemented. All conversion facilities are certified to ISO 9001.

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