"MOLYBDATE" corrosion inhibitor MSDS

North Metal & Chemical Company
609 E. King St.
York, PA 17405

Sodium Molybdate (Crystalline)
Formula : $Na_2MoO_4.2H_2O$
CAS NO.: 7631-95-0
Phvsical Form: A very fi.ne white granule, free-flowing & highly hydroscopic
TOXICITY DATA: IPR - Rate LD50: 520 mg/kg AIPTAK 154,243.65
IPR - Mus LD50: 257 mg/kg AIPTAK 154,243.65
OSHA Standard - Ai r: TWA 15 mg (Mo) /M^3 FEREAC 39,23540. 74
TLVALUE: 245 mg/kg LDLO ingtested (rat studies) 5.0 mg/m^3 TWA TLV (TWA =Time Weighted Average)
Meets criteria for proposed OSHA Medical Records Rule FEREAC 47,30420,82.

Hazardous Ingredients

Sodium Dimethyl Napthalene Sulfonate	5620mg/kg	0.08%
Sodium Molybdate (Na_2MoO_4)	5.0mg/m^3	

Physical/Chemical Characteristics

Boiling Point:	NA
Vapor Pressure:	0
Specific Gravity :	2.56
Melting Point:	687 °C
Solubility in Water:	56 gm/IOOcc @ 0°C
Appearance and Odor:	White, odorless granule

Fire and Explosion Hazard Data

Flash Point:	NA
Extinguishing Media:	Dry chemical or dry sand

Polymerization Will Not Occur
Wear protective fire fiqhtinq clothing & self contained breathing equipment.

Health Hazard Data
Route(s) of Entry: Inhalation, Skin, Ingestion
May result in eye or respiratory tract irritation

Emergency and First Aid Procedures
If a person breathes in a large amount of dust, remove from exposure; if breathing has stopped, perform artificial respiration. Call a physician. If irritation of the eyes occurs, flush eyes for 15 minutes.

Precautions for Safe Handling and Use
Steps to Be Taken in Case Material Is Released or Spilled: Cleanup by vacuuming to minimize dust exposure. Provide respirators for dusty conditions. Dispose of in accordance with regulations.

Control Measures
Respiratory Protection: Use a NIOSH/MSHA approved respirator if exposures exceed the OSHA limit.
Ventilation: Exhaust dusty operations mechanically
Protective Rubber Gloves, Safety Goggles
Wash thoroughly after handling.