

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME LaMotte Chemical Products Company	EMERGENCY TELEPHONE NO. 301-778-3100
ADDRESS (Number, Street, City, State, and ZIP Code) P. O. Box 329 Chestertown, Maryland 21620	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Molybdenum Oxidizing Rgt. Code 6485
CHEMICAL FAMILY	FORMULA K ₂ S ₂ O ₈

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)	
PIGMENTS			BASE METAL			
CATALYST			ALLOYS			
VEHICLE	N/A		METALLIC COATINGS	N/A		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX			
ADDITIVES			OTHERS			
OTHERS						
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					%	TLV (Units)
Potassium Persulfate CAS # 7727-21-1					4	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	unk.	SPECIFIC GRAVITY (H ₂ O=1)	unk.
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Sol	pH ≈ 5.0	
APPEARANCE AND ODOR clear, colorless liquid			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES not a fire hazard			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

unknown

EFFECTS OF OVEREXPOSURE

may cause skin irritation

EMERGENCY AND FIRST AID PROCEDURES

eye - flush with water for 15 min.; consult a physician

external - immediately wash with soap & water

internal - give large quantity of water or milk; consult a physician

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

reducing reagents

INCOMPATIBILITY (Materials to avoid)

reducing reagents

HAZARDOUS DECOMPOSITION PRODUCTS

N/A

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Mop up & wash down drain with
excess water

WASTE DISPOSAL METHOD

Add to large beaker of water containing a soda ash solution.

Mix & dilute & wash down drain with excess water.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

N/A

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

plastic gloves

EYE PROTECTION

safety glasses

OTHER PROTECTIVE EQUIPMENT

lab coat

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep container tightly closed & avoid
contact with skin. Avoid extremes of temperature.

OTHER PRECAUTIONS

JAN 22 1985