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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	LeI	UeI
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	Mod 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		EYE PROTECTION	
plastic gloves		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	

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