

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration	Form Approved OMB No. 44-11387
<h1 style="margin: 0;">MATERIAL SAFETY DATA SHEET</h1>	
# 1048	

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, MD 21620	
CHEMICAL NAME AND SYNONYMS -----	TRADE NAME AND SYNONYMS VM Phosphate Reagent (Code 8511)
CHEMICAL FAMILY -----	FORMULA 4410

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)
Sulfuric Acid (H_2SO_4)				CAS #7664-93-9
Ammonium Molybdate ($(NH_4)_6Mo_7O_{24} \cdot 4H_2O$)				CAS #12027-67-7
Ammonium Vanadate ($(NH_4)_2VO_3$)				CAS #7803-55-6
				16 --
				1.7 --
				0.07 --

SECTION III - PHYSICAL DATA			
BOILING POINT ($^{\circ}F$)	unknown	SPECIFIC GRAVITY ($H_2O=1$)	unknown
VAPOR PRESSURE (mm Hg.)	unknown	PERCENT VOLATILE BY VOLUME (%)	unknown
VAPOR DENSITY (AIR=1)	unknown	EVAPORATION RATE (--- = 1)	unknown
SOLUBILITY IN WATER	soluble		
APPEARANCE AND ODOR clear, yellow liquid			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
NO FIRE HAZARD		2057434677	
UNUSUAL FIRE AND EXPLOSION HAZARDS			