

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration	
<b>MATERIAL SAFETY DATA SHEET</b> <i>#1048</i>	

SECTION I	
MANUFACTURER'S NAME LaMotte Chemical Products Company P.O. Box 129, Chestertown, MD 21620	EMERGENCY TELEPHONE NO. 301-778-3100
ADDRESS (Number, Street, City, State, and ZIP Code)	TRADE NAME AND SYNONYMS VM Phosphate Reagent (Code 8511)
CHEMICAL NAME AND SYNONYMS	FORMULA 4410
CHEMICAL FAMILY	

SECTION II - HAZARDOUS INGREDIENTS			
PAINTS, PRESERVATIVES, & SOLVENTS	% (Units)	ALLOYS AND METALLIC COATINGS	% (Units)
PIGMENTS		BASE METAL	
CATALYST		ALLOYS	
VEHICLE	N/A	METALLIC COATINGS	N/A
SOLVENTS		FILLER METAL FLUX COATING OR CORE FLUX	
ADDITIONS		OTHERS	
OTHERS			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES		%	TLV (Units)
Sulfuric Acid ( $H_2SO_4$ )	CAS #7664-93-9	16	--
Ammonium Molybdate ( $(NH_4)_6Mo_7O_24 \cdot 4H_2O$ )	CAS #12027-67-7	1.7	--
Ammonium Vanadate ( $NH_4VO_3$ )	CAS #7803-55-6	0.07	--

SECTION III - PHYSICAL DATA			
BOILING POINT (°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
EXTINQUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES	NO FIRE HAZARD		
UNUSUAL FIRE AND EXPLOSION HAZARDS	2057434677		