

U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

12003
PLAINTIFF'S EXHIBIT

BOND-80

SECTION I

MANUFACTURER'S NAME	DIAMOND MICA COMPANY	EMERGENCY TELEPHONE NO.	704-765-9481
ADDRESS (Number, Street, City, State, and ZIP Code)			
510 Altapass Road, Spruce Pine, N.C. 28777			
CHEMICAL NAME AND SYNONYM		TRADE NAME AND SYNONYM	
Muscovite		Dryground Mica	
CHEMICAL FAMILY		FORMULA	
Silicate		$K_2Al_4Al_2Si_6O_{20}(OH)_4$	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		20	BASE METAL		
Mica	100	mppcf	ALLOYS		
CATALYST			METALLIC COATINGS		
VEHICLE			FILLER METAL PLUS COATING OR CORE FLUX		
SOLVENTS			OTHERS		
ADDITIVES					
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
None					

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H ₂ O = 1)	2.80
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	None
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____ = 1)	N.A.
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Mineral Flakes		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	Low
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None		

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SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	20 million particles per cubic foot of air.
EFFECTS OF OVEREXPOSURE	Same as for common dust.
EMERGENCY AND FIRST AID PROCEDURES	
Same as for common dust.	

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
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	
Same as for common dust.	
WASTE DISPOSAL METHOD	
Same as for common dust.	

SECTION VIII SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Same as common dust.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT Same as common dust.		

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Same as common dust.	
OTHER PRECAUTIONS	