

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

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Miller Ceramics, Inc.		EMERGENCY TELEPHONE NO. 315-685-8378
ADDRESS (Number, Street, City, State, and ZIP Code) 4022 Mill Road, Skaneateles, New York 13152		
CHEMICAL NAME AND SYNONYMS Ball and Fire Clays		TRADE NAME AND SYNONYMS All Moist Miller Clay
CHEMICAL FAMILY Hydrated Alumina Silicates	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

Minor Colorants	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
Iron Oxide	1.0		BASE METAL		
Manganese	0.5		ALLOYS		
Red Clay	5-25		METALLIC COATINGS		
			FILLER METAL PLUS COATING OR CORE FLUX		
			OTHERS Quartz - Less than	15	
			est to be grater than		42mg/m ³
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	2.4-2.7
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ "1)	
SOLUBILITY IN WATER			
APPEARANCE AND ODOR	Varies Grey to Red Clay- Earth Odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	.42 mg/m ³ Est.
EFFECTS OF OVEREXPOSURE	Long time exposure to excessive inhalation of dust may be harmful to respiratory System
EMERGENCY AND FIRST AID PROCEDURES	None

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE		
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
AVOID DUST	
WASTE DISPOSAL METHOD	
NO SPECIAL	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)			
VENTILATION	LOCAL EXHAUST	NIOSH RECOMMENDED RESPIRATOR	SPECIAL
	MECHANICAL (General)	SUGGESTED	OTHER
PROTECTIVE GLOVES	NA	EYE PROTECTION	NA
OTHER PROTECTIVE EQUIPMENT	NA		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
OTHER PRECAUTIONS	
SEE SECTION V	