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SHEFFIELD POTTERY, INC. 98 MAY -4 PM 1:36

Mining / Raw & Moist Clay / Supplies

MSDS

95400

SCHOOL WHITE CLAY

We do not have an MSDS on the clay itself. Enclosed herewith are the MSDS Sheets on the following Ingredients.

C&C BALL CLAY
EPK
FLINT 200M
GOLDART
POTASH G-200
WESTERN BENTONITE 325M



SPINKS CLAY COMPANY, INC.

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MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

PRODUCT: Ball Clay (CAS# 1332-58-7) EMERGENCY TELEPHONE NUMBER: Spinks (901) 642-5414
TRADE NAME: Various*
CHEMICAL NAME: Hydrous Aluminum Silicate
CHEMICAL FAMILY: Kaolinite
FORMULA: $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O} + \text{impurities}$ DATE REVISED: August 1, 1997

* The information contained in this MSDS is applicable to all Spinks non-slurry ball clay products.

II. HAZARDOUS INGREDIENTS

COMPONENT	CAS#	PERCENT	ACGIH-TLV	OSHA-PEL
Crystalline Silica(Quartz)	14808-60-7	5-30%	0.1 mg/m ³	10mg/m ³ ÷ (%SiO ₂ + 2)
Respirable Particulate(clay dust)			3.0 mg/m ³	5.0 mg/m ³

The limits listed above are for the respirable fraction of each contaminant.
The exposure limits are based on a TWA for an eight (8) hour shift/ 40 hour week.

III. HEALTH HAZARD DATA

WARNING! This product contains crystalline silica. IARC Monograph Volume 68, 1997 concludes that " There is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources." IARC classification - Group 1.

The National Toxicology Program (NTP), in the Seventh Annual Report on Carcinogens, 1994, has included crystalline silica in its list of substances that are "reasonably anticipated to be carcinogens".

NIOSH has identified crystalline silica as a *Potential Occupational Carcinogen* using the OSHA classification system outlined in 29 CFR 1910.103

CARCINOGENICITY INFORMATION. (silica)

OSHA REGULATED: Yes NTP LISTED: Yes IARC LISTED: Yes

ROUTES OF ENTRY HEALTH EFFECTS

EYES: Contact may cause irritation and temporary discomfort.

INHALATION: Primary route of exposure! Symptoms of acute exposure include coughing, wheezing, difficult breathing, and upper respiratory track irritation. Prolonged and repeated exposure to concentrations in excess of the TLV or PEL may contribute to delayed respiratory complications.

INGESTION: No information available.

SKIN: None expected, but constant contact may cause irritation.

IV. FIRST AID AND EMERGENCY PROCEDURES

INHALATION: Move away from exposure into fresh air conditions. If breathing difficulties continue, consult a physician.

EYE CONTACT: Flush with water immediately. Consult a physician if irritation persists.

IF SWALLOWED: None believed to be necessary for coincidental ingestion. Consult a physician for ingestion of large quantities.

SKIN CONTACT: Wash with mild soap and water.

V. PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE:	A solid of various shades of white, gray and black		
ODOR:	Earthy odor		
BOILING POINT:	NA	VAPOR PRESSURE:	NA
MELTING POINT:	NA	VAPOR DENSITY:	NA
SPECIFIC GRAVITY:	2.4 - 2.6	EVAPORATION RATE:	NA
SOLUBILITY IN WATER:	Insoluble	PERCENT VOLATILITY:	NA
PH:	NA	VISCOSITY:	NA

VI. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Non-Flammable	SPECIAL FIREFIGHTING PROCEDURES:	None
EXTINGUISHING MEDIA:	NA	UNUSUAL FIRE AND EXPLOSION HAZARDS:	None
FLAMMABLE LIMITS:	NA		

VII. REACTIVITY DATA

STABILITY:	Stable	INCOMPATIBILITIES:	None
HAZARDOUS DECOMPOSITION:	None	CONDITIONS TO AVOID:	None
HAZARDOUS POLYMERIZATION:	Will not occur		

VIII. SPILL, LEAK AND DISPOSAL INFORMATION

SPILL AND LEAK RESPONSE: Minimize dust generation during cleanup. Vacuum or scoop spilled material into a container for reclamation or disposal.

WASTE DISPOSAL: Raw (unused) material, as shipped, may be disposed of in sanitary landfill; However spent material may be contaminated and may require special disposal methods. Consult the proper regulatory authorities.

Ball clay is not considered a hazardous waste as defined by 40 CFR, Part 261.

IX. SPECIAL HANDLING AND PERSONAL PROTECTION INFORMATION

Avoid unnecessary product agitation to keep dust level to a minimum.

Local exhaust ventilation is recommended for dust generating processes.

Use NIOSH or MSHA approved respirators if dust concentrations exceed the TLV or PEL.

Eye wash stations are recommended in areas where this product is used.

Floors or surfaces covered with this product become extremely slippery when wet.

X. SPECIAL REGULATORY INFORMATION

Ball Clay is included on the TSCA inventory as a naturally occurring chemical substance, 40 CFR, Part 710.4(b)

Ball Clay is not regulated by the DOT.

To the best of our knowledge the information contained herein is accurate. However there is no warranty of any kind expressed or implied as to the completeness or accuracy thereof. Final determination of the suitability of this information for a particular use of this product is the sole responsibility of the user.