

AMERICAN GOLLOID COMPANY

One North Arlington • 1500 West Shure Drive Arlington Heights, Illinois 60004-1434 + USA (312) 392-4600 • Telex ITT 4330321 Fax (312) 506-6199

> 101 11

MATERIAL SAFETY DATA SHEET - May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific

PRODUCT NAME: VOLCLAY FOUNDRY

Page 1 of 3

Section I

MANUFACTURER'S INFORMATION

Manufacturer's Name & Address:

American Colloid Company 1500 West Shure Drive One Worth Arlington Arlington Heights, Illinois 60004

Emergency Telephone Mumber: 312-392-4600 Telephone Number for Information: 312-392-4600 Date Prepared: August 31, 1988

Section II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s)) Crystalline Quartz CAS# 14808-60-7 Other Limits OSHA PEL ACGIH TLV Recommended (optional) Total Dust (Quartz) 2.6%

Respirable Crystalline Quartz

NIOSE proposed (TWA) 15mg/m^3

Total Muisance Dust

Respirable Nuisance Dust $10mg/m^3$ $5mg/m^3$ $5mg/m^3$

This clay product contains a small amount of crystalline silica which may cause delayed respiratory ints cray product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use WIOSH/MSHA approved respirator where TLV for crystalline silica may be exceeded. IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (volume 42, 1987) concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.

PRODUCT IDENTIFICATION

Chemical Name: Bentonite Clay Chemical Family: Watural Mineral, Montmorillonite CAS No.: 1302-78-9 FORMULA: Naturally occurring hydrated aluminosilicate of sodium, calcium, magnesium, and iron MFPA/HMIS: Health - O, Fire - O, Reactivity - O, Specific Hazard - See Section VI



AMERICAN COLLOID COMPAR

One North Arlington • 1500 West Shure Drive Arlington Heights, Illinois 60004-1434 • USA (312) 392-4600 • Telex ITT 4330321 Fax (312) 506-6199

101

PRODUCT NAME:	VOLCLAY FOUNDRY	Page 2 of 3
Section III	PHYSICAL/C	HEXICAL CHARACTERISTICS
Boiling Point Vapor Pressure (mm. Vapor Density (AIR Solubility in Water Appearance and Odor	- Not Applicable Hg.) - Not Applicable = 1) - Not Applicable - Negligible - Pale grey to buff	Specific Gravity (H ₂ O = 1) - 2.5 Melting Point - Not Applicable Evaporation Rate (Sutyl Acetate = 1) - Not Applicable powder or granules, odorless
Section IV	FIRE AND I	EXPLOSION HAZARD DATA
Flash Point (Method Flammable Limits Extinguishing Media Special Fire Fightin Unusual Fire and Exp	- Hot App - Not App	licable {EL UEL licable
Section V	REAC	CTIVITY DATA
Stable	e - X	o Avoid - None Known
Razardous Decomposit	erials to Avoid) - None ion or By-products - None	Known :
dazardous Polymeriza	tion Hay Occur Will Not Occ	
Section VI	HEALT	HAZARD DATA
oute(s) of Entry:	Inhalation? Yes	Skin? No Ingestion? No
lealth Hazards (Acut	e and Chronic) - May caus protonge	e delayed respiratory disease if dust inhaled over a d pariod of time.
arcinogenicity:	NTP? No	IARC Monographs? Yes OSHA Regulated? No
(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Jine 44, 1987) concludes t	tion of the Carcinogeric Risk of Chemicals to Humans hat there is "limited evidence" of the carcinogenicity ns. IARC classification 2A.
igns and Symptoms o	Exposure - Excessive in reduced pulm	halation of dust may result in shortness of breath and onary function.

Medical Conditions Generally Aggravated by Exposure - Individuals with pulmonary and/or respiratory disease including but not limited to asthma and bronchitis should be precluded from

Emergency and First Aid Procedures - Eyes - Flush with water.
- Gross inhalation of dust - Remove to fresh air; give exygen or artificial respiration if necessary; get medical attention.

	 	 	 		••	
-	 	 				
	 <u>.</u> .			= -		



AMERICAN COLLOID COMPANY

One North Arlington • 1500 West Shure Drive Arlington Heights, Illinois 60004-1434 • USA (312) 392-4600 • Telex ITT 4330321 Fax (312) 506-6199

11

Page 3 of 3

PRODUCT NAME: VOLCLAY FOUNDRY

Section VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - Vacuum if possible to avoid generating airborne dust. Avoid breathing dust. Wear an approved respirator. Avoid adding water, the product will become slippery when wet.

Waste Disposal Method - Follow federal, state and local regulations for solid waste.

Precautions to Be Taken in Handling and Storing - Avoid breathing dust, use KIOSK/MSKA approved respirator where TLV limits for Crystalline Silica may be exceeded.

Other Precautions - Slippery when wet.

Section VIII

Work/Hygienic Practices

CONTROL MEASURES

- Use good housekeeping practices.

Respiratory Protection (Specify Type) - OSHA standard 1910.134 or ANSI Z88.2-1980 specification.

- Local Exhaust - As appropriate Special - None

- Mechanical (General) - As appropriate

Other - None

Protective Gloves - Not Required

Eye Protection - Recommended Other Protective Clothing or Equipment - None

E ERREGER KARANTAN BEREKARAKARAN	<u>andan na maran na manan na katan na ka</u>	ĺ

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, American Colloid Company cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.

 		<u> </u>	<u></u>	<u> </u>	
	,				
 					·