

# MATERIAL SAFETY DATA SHEET



MANUFACTURER — Georgia Kaolin Company, Inc.  
 ADDRESS — 2700 U.S. Highway 22 East  
 Union, NJ 07083  
 PHONE — 201.851-2800

SECTION I, MATERIAL IDENTIFICATION													
Material Trade Name: <u>6T CLAY</u> #6 Tile clay	CAS No.	<table border="1"> <thead> <tr> <th colspan="2">HMIS RATINGS</th> </tr> </thead> <tbody> <tr> <td>HEALTH HAZARD</td> <td>2</td> </tr> <tr> <td>FLAMMABILITY HAZARD</td> <td>1</td> </tr> <tr> <td>REACTIVITY HAZARD</td> <td>2</td> </tr> <tr> <td>MAX. PERSONAL PROTECTION</td> <td>E</td> </tr> </tbody> </table>		HMIS RATINGS		HEALTH HAZARD	2	FLAMMABILITY HAZARD	1	REACTIVITY HAZARD	2	MAX. PERSONAL PROTECTION	E
HMIS RATINGS													
HEALTH HAZARD	2												
FLAMMABILITY HAZARD	1												
REACTIVITY HAZARD	2												
MAX. PERSONAL PROTECTION	E												
Chemical Name: Hydrous Aluminum Silicate	1332-58-7												
Common Name: Kaolin clay/China clay													
Physical Form: Pulverized													
SECTION II, INGREDIENT AND HAZARDS	Wt. % (Approx.)	HAZARD DATA											
Kaolin Clay - $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$	>96%	<u>KAOLIN</u>	<u>OSHA PEL*</u> <u>ACGIH TLV*</u>										
Water	<4%	Respirable	5.0 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>										
		Total Dust	10.0 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>										
		<u>SILICA</u>											
Free crystalline silica (quartz) - $SiO_2$	<1%	Respirable	0.1 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup>										
CAS# 14808-60-7		Total Dust	---    ---										
		*TWA for 8 hours											
SECTION III, PHYSICAL DATA													
Boiling Point - Not Applicable													
Specific Gravity of Kaolin - 2.62													
Appearance & Odor - White, odorless powder													
pH 20% aqueous suspension - 4.0 - 6.5													
Solubility in water - Insoluble													
SECTION IV, FIRE AND EXPLOSION DATA		LOWER	UPPER										
Flash point - None		Not applicable											
Nonflammable, nonexplosive													
SECTION V, HEALTH HAZARD INFORMATION		(See Sect. II)											
Skin contact, skin absorption, eye contact, ingestion: Hazard Classification - None.													
Basis for classification: Historical. Emergency and First Aid Procedures: Eyes - flush with water. Inhalation: No acute effects. Classified as a nuisance dust by the American Conference of Governmental and Industrial Hygienists. Exposure to large quantities of kaolin over several years without use of a dust mask could affect respiratory function. See Am. Rev. Respir. Dis. 1983; 127:215-220; 231-235; 141-142.													
On the basis of initial experimental tests in animals and limited epidemiological studies in human populations, the International Agency for Research on Cancer (IARC) has concluded that there is limited evidence for the carcinogenicity of crystalline silica (quartz) to humans. Avoid prolonged or repeated inhalation of dust. Long term exposure to free silica (quartz) dust may cause silicosis.													

**SECTION VI, REACTIVITY DATA**

Conditions contributing to instability - None, inert and nonreactive.  
Incompatibility - None, inert and nonreactive.  
Hazardous Decomposition Products - None, inert and nonreactive.  
Conditions Contributing to Hazardous Polymerization - None, inert and nonreactive.

**SECTION VII, SPILL, LEAK, AND DISPOSAL PROCEDURES**

Aquatic toxicity: Insignificant. TLM 96: over 1000 ppm.  
Waste Disposal Method: Landfill  
Steps to be taken if material is released or spilled: Vacuum dust. If sweeping, use dust suppressant.  
Neutralizing chemicals: None required. Material is inert.

**SECTION VIII, SPECIAL PROTECTION INFORMATION**

Ventilation requirements: Same as for any nuisance dust.  
Specific Personal Protective Equipment: Respiratory face mask suggested for dusty conditions.  
MSA Model 8710 or NIOSH approved mechanical filter type respirator may be used.  
Eye - not required; clear plastic shield may be used as convenience item.  
Gloves or other protective clothing - not required.

**SECTION IX, SPECIAL PRECAUTIONS AND COMMENTS**

Aqueous slurry is slippery; care should be exercised when walking on spills on floors or concrete pads.  
Additional Regulatory Concerns: FDA - Generally recognized as safe - 21 CFR 186.1256; TSCA - Product, a naturally occurring substance, is listed in Initial Inventory, Vol. 1, Appendix A, CAS No. 1332-58-7  
DOT classification - Not restricted

Although reasonable care has been taken in the preparation of the information contained herein, Combustion Engineering, Inc. extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

DATE PREPARED 7/27/82

REVISED 10/1/89