

MATERIAL SAFETY DATA SHEET



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SECTION I, MATERIAL IDENTIFICATION												
Material Trade Name: <i>Al6 tile</i>	CAS No. 1332-58-7	<table border="1"> <thead> <tr> <th colspan="2">HMIS RATINGS</th> </tr> </thead> <tbody> <tr> <td>HEALTH HAZARD</td> <td>0</td> </tr> <tr> <td>FLAMMABILITY HAZARD</td> <td>0</td> </tr> <tr> <td>REACTIVITY HAZARD</td> <td>0</td> </tr> <tr> <td>MAX. PERSONAL PROTECTION</td> <td>E</td> </tr> </tbody> </table>	HMIS RATINGS		HEALTH HAZARD	0	FLAMMABILITY HAZARD	0	REACTIVITY HAZARD	0	MAX. PERSONAL PROTECTION	E
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Chemical Name: Hydrous Aluminum Silicate												
Common Name: Kaolin clay/China clay												
Physical Form: Pulverized												
SECTION II, INGREDIENT AND HAZARDS	Wt. % (Approx.)	HAZARD DATA										
Kaolin Clay - $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$	>97%	<table border="1"> <thead> <tr> <th>KAOLIN</th> <th>OSHA PEL*</th> <th>ACGIH TLV*</th> </tr> </thead> <tbody> <tr> <td>Respirable</td> <td>5.0 mg/m³</td> <td>5 mg/m³</td> </tr> <tr> <td>Total Dust</td> <td>10.0 mg/m³</td> <td>10 mg/m³</td> </tr> </tbody> </table>	KAOLIN	OSHA PEL*	ACGIH TLV*	Respirable	5.0 mg/m ³	5 mg/m ³	Total Dust	10.0 mg/m ³	10 mg/m ³	
KAOLIN	OSHA PEL*	ACGIH TLV*										
Respirable	5.0 mg/m ³	5 mg/m ³										
Total Dust	10.0 mg/m ³	10 mg/m ³										
Water	<3%											
*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 - 5.0												
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)												
<p>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. No crystalline silica detected using the recommended NIOSH test method 7500.</p>												

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.
MSHA 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, Dry Branch Kaolin Co. 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.

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