

Fire Clay
Material Safety Data Sheet

Section 1.

Production Identification

Manufacturer : The Kopp Clay Company
Address : 3266 Coral Road
P.O. Box 488
Malvern, Ohio 44644
Telephone : (330) 863-0111
Fax : (330) 863-2265

4/1/2024: - File reviewed, more current MSDS/SDS not available. CAS

Product Type : Fire Clay
Product Name, Sales Name or Trade Name : Fire Clay

Section 2

Hazardous Ingredients

Chemical Name	Common Name	CAS Number	Percent	OSHA PEL	ACGIH TLV	Carcinogen*
Al ₂ O ₃	Alumina	1344-28-1	30.0%	N/A	10 Mg/m ³	No
SiO ₂	Cristobalite	14464-46-1	8.0%	.01 Mg/m ³	.01 Mg/m ³	Yes
SiO ₂	Quartz	14808-60-7	1.0%	.01 Mg/m ³	.01 Mg/m ³	Yes

*Per NTP and IARC lists and the State of California

Section 3

Physical Data

Appearance:	Dull White to Grey – Powdery to Coarse Granules	Odor:	None
Specific Gravity:	1.8 – 2.6	Melting Point:	1500 C
Boiling Point:	N/A	Vapor Pressure:	NI
Evaporation Rate:	N/A	Solubility in H ₂ O:	N/A
Solubility in Alcohol:	N/A	Other Solvents:	NI
Percent Volatile by Vol:	N/A	Vapor Density:	NI

Section 4

Fire and Explosion Hazard Data

Flash Point (Method Used):	None
Flammable Limits:	LEL None UEL None
Extinguishing Media:	N/A
Special Fire Fighting Procedures:	Non-Flammable
Unusual Fire and Explosion Hazards:	Non-Flammable, Non-Explosive

Section 5

Health Hazard Data

<u>Primary Routes of Entry</u>	<u>Exposure Symptoms</u>	<u>Emergency Procedures</u>
Inhalation:	Respiratory Irritation	Remove to Fresh Air
Ingestion:	NE	NE
Skin Contact and Absorption:	N/A	N/A
Eyes:	Irritation	Flush with Water

Other Potential Health Risks: Dust may aggravate pre-existing conditions and lung diseases. Inhalation of crystalline quartz may cause Silicosis which may progress to cancer and may lead to death. Dust from handling dry fireclay may contain crystalline silica which is a chemical known to the State of California to cause cancer. Silica is listed in IARC Monograph 68 as a known human carcinogen. Inhalation may cause cancer which could lead to death.

