

MATERIAL SAFETY DATA SHEET



Kaolin K

IDENTIFICATION

UN number: N/A Hazchem Code: N/A
DG Class: N/A Toxic Substances Sch.: N/A

HMIS- kaolin clay	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	E

Product Name: Kaolin K

Chemical Name:

Mainly kaolinite CAS# 1332-58-7, with some sand impurities, as crystalline silica (CAS# 14808-60-7 and CAS# 14464-46-1).

Physical Description/Properties:

Light Brown powder. Mixes readily with water.

Decomposition Temp:

Melting Point: n/a
Specific Gravity: 2.3 -2.6 g/cm³
PH (5% dispersion): 5 approx.

HEALTH HAZARD INFORMATION

Health Effects:

Swallowed: None
Eye: Irritation of cornea.
Skin: Repeated or prolonged exposure may dry out the skin and cause irritation, possibly leading to dermatitis.
Inhaled: Irritation of lungs, coughing or choking may occur.

This product contains a small percentage of crystalline silica. There is an established link between long term inhalation of dusts containing crystalline silica with lung disease. Adequate measures should be taken to ensure exposure is avoided.

The product is essentially of low hazard as the silica levels are low as reasonably practicable and should not exceed the inhalable dust standard of 10mg/m³

First Aid:

Swallowed: Wash out mouth with water. Drink plenty of water
Eye: Rinse immediately with cool, clean running water for at least 15 minutes

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Skin: Wash off with water (non irritant)
Inhaled: Remove the patient to fresh air and rest. If you feel unwell or if exposure prolonged, seek medical attention
Toxicity Data: None recorded.

PRECAUTIONS FOR USE

Exposure Limits (TWA): 10mg/m³ inspirable dust as clay
2mg/m³ respirable dust as clay
0.2mg/m³ respirable dust as quartz, 0.1 mg/m³ respirable dust as cristobalite

Ventilation: Dust control, or extraction to meet exposure limits.

Personal Protection: Wear a NIOSH/MSHA approved dust mask, eye protection and skin protection.

Flammability: Non flammable

SAFE HANDLING INFORMATION

Storage & Transportation: Store in a dry, well ventilated environment under cover.

Spills and Disposal: Wear a dust mask & skin protection, sweep up. Kaolin K is a natural mineral, so it can be buried safely.

Fire/Explosion Hazard: Not flammable

Other Information: Wear skin protection to avoid possibility of dermatitis. Slip hazard when wet.

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Transform Minerals Limited
17 Bridge Street
PO Box 33
Coalgate, Canterbury 7646
New Zealand
Tel: **64 3 318 2701**
Fax: 64 3 318 2708
Email: enquiries@transform-minerals.com
www.transform-minerals.com