



## Safety Data Sheet Kaolin Clay

### SECTION 1: Identification

#### 1.1 Product identifier

Product name	Kaolin Clay
Product number	clay-9
Brand	Bulk Apothecary

#### 1.4 Supplier's details

Name	Bulk Apothecary
Address	115 Lena Dr Aurora OH 44202 United States
Telephone	1-888-728-7612
email	sales@bulkapothecary.com

#### 1.5 Emergency phone number(s)

Domestic: 1-800-633-8253 International: 801-629-0667

### SECTION 2: Hazard identification

#### General hazard statement

Not Hazardous.

#### 2.1 Classification of the substance or mixture

##### GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

### SECTION 3: Composition/information on ingredients

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### 3.2 Mixtures

#### Components

##### 1. Kaolin, Total dust

Concentration 85 - 93 % (weight)  
CAS no. 1332-58-7

##### 2. Silica, crystalline

Concentration 7 - 15 % (weight)  
EC no. 238-878-4  
CAS no. 14808-60-7

- Carcinogenicity, Cat. 1A
- Specific target organ toxicity (repeated exposure), Cat. 1

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

If inhaled	First aid is not generally required. If irritation develops from breathing dust, move the person from the overexposure and seek medical attention if needed.
In case of skin contact	First aid is not required.
If swallowed	First aid is not required.

## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

### 5.2 Specific hazards arising from the chemical

Product is not flammable, combustible or explosive.

### 5.3 Special protective actions for fire-fighters

None required.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing and respiratory protection (see Section 8). Do not generate airborne dust during clean-up.

### 6.2 Environmental precautions

No specific precautions. Report releases to regulatory authorities if required by local, state and federal regulations.

### 6.3 Methods and materials for containment and cleaning up

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Do not dry sweep. Do not use compressed air to clean spilled product. Use water spraying/flushing or ventilated or HEPA filtered vacuum cleaning system, or wet before sweeping. Dispose of in closed containers.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Do not generate dust. Do not breathe dust. Do not rely on your sight to determine if dust is in the air. Respirable crystalline silica dust may be in the air without a visible dust cloud. Use adequate exhaust ventilation and dust collection to reduce dust and respirable crystalline silica dust levels to below the permissible exposure limit ("PEL") or other applicable limit (if lower than the PEL). Maintain and test ventilation and dust collection equipment. Use all available work practices to control dust exposures, such as water sprays. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Keep airborne dust concentrations below permissible exposure or other applicable limits. Where necessary to reduce exposures below the PEL or other applicable limit (if lower than the PEL), wear a respirator approved for silica containing dust when using, handling, storing or disposing of this product or bag. See Section 8, for further information on respirators. Do not alter the respirator. Do not wear a tight-fitting respirator with facial hair such as a beard or mustache that prevents a good face to face piece seal between the respirator and face. Maintain, clean, and fit test respirators in accordance with applicable standards. Wash or vacuum clothing that has become dusty. Participate in training, exposure monitoring, and health surveillance programs to monitor any potential adverse health effects that may be caused by breathing respirable crystalline silica.

#### 7.2 Conditions for safe storage, including any incompatibilities

Use dust collection to trap dust produced during loading and unloading. Keep containers closed and store bags to avoid accidental tearing, breaking, or bursting.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1. Kaolin, Total dust (CAS: 1332-58-7)

PEL (Inhalation): 15 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 10 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 2. Kaolin, Respirable fraction (CAS: 1332-58-7)

PEL (Inhalation): 5 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 2 mg/m<sup>3</sup>, (no asbestos, < 1% crystalline silica) (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 5 mg/m<sup>3</sup> (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

##### 3. Silica, crystalline (CAS: 14808-60-7 EC: 238-878-4)

PEL-TWA (Inhalation): 10 mg/m<sup>3</sup> / (% Silica + 2) respirable 30 mg/m<sup>3</sup> / (% Silica + 2) total (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 0.05 mg/m<sup>3</sup> (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): Ca 0.05 mg/m<sup>3</sup> (NIOSH)

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OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TLV® (Inhalation): 0.025 mg/m<sup>3</sup> (resp.) for α-quartz and cristobalite (ACGIH)

### 8.2 Appropriate engineering controls

Use adequate general or local exhaust ventilation to maintain concentrations in the workplace below the applicable exposure limits listed above.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety glasses with side shields or goggles recommended if eye contact is anticipated.

#### Skin protection

Maintain good industrial hygiene. Protection recommended for workers suffering from dermatitis or sensitive skin.

#### Respiratory protection

If it is not possible to reduce airborne exposure levels to below the OSHA PEL or other applicable limit wear respiratory protection.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	light pink to white powder
Odor	odorless
Odor threshold	
pH	
Melting point/freezing point	3155-3245°F/1735- 1790°C
Initial boiling point and boiling range	
Flash point	: Not applicable
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	2.61g/cc
Solubility(ies)	Insoluble in water, soluble in hydrochloric acid and perchloric acid
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not reactive under normal conditions of use.

### 10.2 Chemical stability

Stable

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### 10.3 Possibility of hazardous reactions

Contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires.

### 10.4 Conditions to avoid

Avoid generation of dust in handling and use.

### 10.5 Incompatible materials

Powerful oxidizers such as fluorine, chlorine trifluoride, and oxygen difluoride and hydrofluoric acid.

### 10.6 Hazardous decomposition products

Silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Skin corrosion/irritation

May dry the skin.

#### Serious eye damage/irritation

Particulates may cause abrasive injury.

#### Respiratory or skin sensitization

Inhalation of dust may cause respiratory tract irritation. Symptoms of exposure may include cough, sore throat, nasal congestion, sneezing, wheezing and shortness of breath.

#### Carcinogenicity

Prolonged inhalation of respirable crystalline silica may cause lung disease, silicosis, lung cancer and other effects as indicated below.

## SECTION 12: Ecological information

### Toxicity

Kaolin clay and crystalline silica are not known to be ecotoxic.

### Persistence and degradability

Kaolin clay is not degradable.

### Bioaccumulative potential

Kaolin clay is not bioaccumulative.

### Mobility in soil

Kaolin clay is not mobile in soil.

## SECTION 13: Disposal considerations

### Disposal of the product

Discard any product, residue, disposable container or liner in full compliance with national regulations.

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### SECTION 14: Transport information

**DOT (US)**

Not regulated

**IMDG**

Not regulated

**IATA**

Not regulated

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

**New Jersey Right To Know Components**

Common name: KAOLIN

CAS number: 1332-58-7

**Pennsylvania Right To Know Components**

Chemical name: Kaolin

CAS number: 1332-58-7

**New Jersey Right To Know Components**

Common name: SILICA, QUARTZ

CAS number: 14808-60-7

**Massachusetts Right To Know Components**

Chemical name: Quartz

CAS number: 14808-60-7

**California Prop. 65 Components**

WARNING! This product contains a chemical known to the State of California to cause cancer.

Quartz

CAS-No. 14808-60-7

**Pennsylvania Right To Know Components**

Chemical name: Quartz

CAS number: 14808-60-7

**California Prop. 65 components**

Chemical name: Silica, crystalline

CAS number: 14808-60-7

10/01/1988 - cancer

#### 15.2 Chemical Safety Assessment

Not regulated

### SECTION 16: Other information

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### 16.1 Further information/disclaimer

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