



Mad Micas, Inc.
7231 Haverhill Business Pkwy, Suite 206
Riviera Beach, FL 33407

Safety Data Sheet

Product Name: White Kaolin Clay
Product Type: Clay
Ingredients: Kaolin, Quartz

Physical and Chemical Properties

Appearance: Lump
Color: White/off-white.
Odor: Almost odorless
Solubility: Insoluble in water
Relative Density: 2.6-2.7

Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation): Not classified as hazardous

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified as hazardous.

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified as hazardous.

Adverse physicochemical human health and environmental effects: Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis.

Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

The product is not expected to be hazardous to the environment.

Label elements

Labelling according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Risk Phrases: Not Classified (NC)

Safety Phrases: Not Classified (NC)

Not Classified as PBT/vPvB by current EU criteria.

First Aid Measures

General advice: No acute and delayed symptoms and effects are observed.

Inhalation: Move-into fresh air, keep at rest. Get medical attention if any discomfort continues.

If swallowed: Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water. Use suitable lotion to moisturize skin.

Eye contact: Do not rub eye. Rinse with copious quantities of water and seek medical attention if irritation persists.

General information: If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

Fire-Fighting measures

Extinguishing media: This product is non-combustible. No specific extinguishing media is needed.

Special hazards arising from the substances or mixture: Non-combustible. No hazardous thermal decomposition.

Advice for fire fighters: No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.



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Spillage/Accidental Release Measures

General measures: Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up: Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

Handling and Storage

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. Store in a dry covered area. Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products to prevent accidental bursting.

Exposure Controls/Personal Protection

Control parameters

Name	STD	TWA-8Hrs	STEL-15 Min	Notes
Inorganic dust	WEL	4 mg/m ³ resp. dust		
KAOLIN	WEL	2 mg/m ³		
Quartz	WEL	0,1 mg/m ³		

Exposure Controls

Engineering measures: Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Respiratory equipment: In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

Hand protection: For prolonged or repeated skin contact, use suitable protective gloves. PVC or rubber gloves are recommended.

Eye protection: Use eye protection. Goggles/face shield are recommended. Contact lenses should not be worn when working with this product.

Hygiene measures: When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

Skin protection: No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Stability and Reactivity

Reactivity: No specific reactivity hazards associated with this product.

Chemical stability: Stable under normal temperature conditions and recommended use.

Possibility of hazardous reactions: N/A

Conditions to avoid: No particular incompatibility.

Incompatible materials: No specific, or groups of materials are likely to react to produce a hazardous situation.

Decomposition products: None under normal conditions.



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Toxicological Information

Acute toxicity: This product has low toxicity. Only large volumes may have adverse impact on human health.
Skin corrosion/irritation: Prolonged contact may cause dryness of the skin.
Serious eye damage/ eye Irritation: Particles in the eyes may cause irritation and smarting.
Respiratory or skin sensitization: Dust in high concentrations may irritate the respiratory system.
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity: Not classified
Specific target organ toxicity (Repeated exposure): Not classified
Aspiration hazard: Not classified

Ecological Information

Toxicity
LC 50, 96 hrs. Fish mg/l: >1000
EC 50, 48 hrs. Daphnia, mg/l: >1000
IC 50, 72 hrs. Algae, mg/l: >1000
Persistence and biodegradability: The product does not contain any substances to be bioaccumulating.
Mobility (in soil): The product is insoluble in water.
Results of PBT and vPvB assessment: Not classified as PBT/vPvB by current EU criteria.
Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not excluded the possibility that large or frequent spill can have harmful or damaging effect on the environment.

Disposal Conditions

General information

This mineral can be disposed of as a nontoxic/inactive material in approved landfill sites in accordance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorized waste management company. Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

Transport Information

No special precautions. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
UN proper shipping name: No information required.
Transport hazard class(es): No information required.
Packaging group: No information required.
Environmental hazards: Environmentally Hazardous Substance/Marine Pollutant No.
Special precautions for user: Not applicable.
Transport in bulk according to Annex II of MARPOL 73n8 and IBC Code: No information required.



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Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

UK Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.12002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.12009 No. 716). *Approved Code of Practice* Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU-Regulations

Exempted in accordance with Annex V.7

National regulations

Workplace Exposure Limits 2005 (EH40)

Water hazard classification

NWG

Chemical safety assessment: No chemical safety assessment has been carried out.

Additional Information

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006. The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing respirable crystalline silica. Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers.

Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However, it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibers, 1997, Vol. 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk...• (SCOEL SUM Doc 94- final, June 2003).

So, there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Worker protection against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required.



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Health & Safety Executive: Detailed reviews of the scientific evidence on the health effects of crystalline silica have been published by HSE (Health and Safety Executive, UK) in the Hazard Assessment Documents EH75/4 (2002) and EH75/5 (2003). The HSE points out on its website that "Workers exposed to fine dust containing quartz are at risk of developing a chronic and possibly severely disabling lung disease known as silicosis." In addition to silicosis, there is now evidence that heavy and prolonged workplace exposure to dust containing crystalline silica can lead to an increased risk of lung cancer. The evidence suggests that an increased risk of lung cancer is likely to occur only in those workers who have developed silicosis.

-Disclaimer-

This safety data sheet is based on the properties of the material known to Mad Micas, Inc. at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment, Mad Micas, Inc. holds no responsibility. This document is not intended for quality assurance purposes.