

MSDS - Metakaolin

Identification of the substance / preparation / company:

Product is Concrete Lab Metakaolin. Company: Concrete Lab Ltd, C3 Station Approach Industrial Estate, Penarth, CF64 3EE

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Hazards Identification

Irritant. Avoid contact with the skin and eyes.

Ingredients

High purity white mineral pozzolan. Treat the product as you would for Portland Cement.

Medical Advice

Inhalation: If irritation occurs, move the patient to fresh air. In cases of inflammation, seek medical advice.

Skin: If skin contact occurs, immediately wash the affected area with soap and water. If irritation, soreness or other skin problems occur, seek medical advice.

Eyes: In the event of eye contact, irrigate the eyes quickly and thoroughly with plenty of clean water. In severe cases seek medical advice without delay.

Ingestion: If swallowed, do not induce vomiting, but wash out the mouth, and give the patient 2 or 3 glasses of water to drink. If large amounts have been swallowed, or symptoms develop, seek medical advice.

Fire Safety

Concrete Lab Metakaolin is non flammable.

Accidental Release

Wear protective clothing as you would for cement. Sweep up and dispose of. Do not use water.

Handling and Storage.

Wear protective clothing. Store in a cool, dry, dark place.

Exposure Controls:

Exposure Limits: Total inhalable dust - 10mg/m³ 8 hour time weighted average.

Respirable dust - 5mg/m³ 8 hour time weighted average.

Engineering Methods: Dust can cause irritation. Use in well ventilated areas, or install dust extraction systems.

Personal Protection: Avoid ingestion by taking sensible precautions: where airborne dust is present, wear a dust mask. Goggles MUST be worn. Protective clothing MUST be worn, take care to protect hands with waterproof gloves. When airborne Metakaolin present dust masks MUST be worn.

Physical Properties

Appearance: Powder. Odour: None

pH: 6 Solubility: Mostly insoluble

Freezing point: Not applicable Boiling point: Not applicable

Melting point: Not applicable Flash point: Not applicable

Flammability: Not applicable Explosive limits: Not applicable

Vapour pressure: Not applicable Density: 260kg/m³

Stability / Reactivity

Stability: Stable.

Materials and conditions to avoid: Reacts vigorously with strong acids.

Hazard decomposition products: None known.

Toxicology

Inhalation: Can cause irritation of mucous membranes and respiratory tract.

Skin: Contact with the skin may cause irritation and, in severe cases, alkali burns.

Eyes: Can cause irritation and inflammation to the eyes. In severe cases, there is a risk of permanent damage.

Ingestion: May cause irritation of the mouth, throat and gastrointestinal tract.

Environment

May be harmful to aquatic life in high concentrations.

Disposal:

Dispose of as controlled waste, and to local authority regulations.

Transportation:

Not classified as a hazardous material for transportation.

Regulatory Classification:

Classification for supply: Irritant

Risk phases: Irritant to skin. Risk of serious damage to eyes.

Safety phases: Wear suitable clothing to protect skin and eyes. In case of contact with the eyes, rinse immediately with water and seek medical advice.

Keep out of the reach of children.

Further information:

Contact the Concrete Lab Technical Department for further information.

info@concretelab.co.uk 0845 053 7124

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.