



BENTONITE CLAY
Material Safety Data Sheet

Product Name

Bentonite Clay

Supplier

Just a Soap
South East Lodge
Rede Road
Whepstead
Bury St Edmunds
IP29 4ST
01284 735043

Composition/Ingredients Information

Definition / Origin: A clay material consisting of a mixture of minerals.

CAS No: 1302-78-9

EC no: 215-108-5

Status: Chemical

Recommended Use: Cosmetics

Hazards Identification

Xi, irritant.

Concentrated product. Do not ingest. Observe good housekeeping procedures. The product gives potential for generation or respirable dust during handling and use.

First Aid Measures

Inhalation: Remove from exposure. Seek medical attention for any breathing difficulty.

Eye contact: Rinse immediately with plenty of water for at least 15 mins, lifting upper and lower lids occasionally. Contact a doctor if irritation persists.

Skin contact: Wash thoroughly with soap and water, flush with plenty of water for at least 15 mins. Remove contaminated clothing and shoes. Wash clothing before re-use. Thoroughly clean shoes before re-use. If irritation develops, seek medical advice.

Ingestion: Rinse mouth out with water. Seek medical advice immediately.

Other: When assessing action take Risk and Safety Phrases into account (Section 15)

Fire Fighting Measures

Extinguishing Media: Non-combustible material. Use extinguishers suitable for any other materials that may be involved in a fire.

Special Measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: As with most organic solids, fire is possible at elevated temperature or by contact with an ignition source. Fine

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dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Accidental Release Measures

Personal Precautions: Avoid contact with skin, eyes and clothes. Use individual protective equipment (safety glasses, waterproof boots, suitable protective clothing).

Environmental Precautions: Keep away from drains, soils, surface and groundwater's.

Cleaning Up Methods: Remove all potential ignition sources. Contain spilled material.

Spillages: Ventilate area of leak or spill, sweep up and remove to an approved disposal container. Observe state, federal and local disposal regulations.

Handling & Storage

Precautions in Handling: Apply good manufacturing practice and industrial hygiene practices. Observe good personal hygiene and do not eat, drink or smoke whilst handling. Wear protective goggles and gloves when handling material. Clean cloths must be worn. Observe all warning and precautions listed for the product.

Storage Conditions: store in tightly closed original container, in a cool and dry area away from heat sources and protected from light. Avoid dust formation and control ignition sources. Keep air contact to a minimum.

Fire Protection: Keep away from ignition sources and naked flames. Take precautions to avoid static discharges in working area.

Exposure Controls/Personal Protection

Respiratory Protection: Avoid breathing product dust. Apply local ventilation where possible.

Ventilation: Ensure good ventilation of working area.

Hand Protection: Avoid all skin contact. Use chemically resistant gloves if required.

Eye Protection: Use safety glasses.

Work / Hygiene Practices: Wash hands with soap and water after handling.

Physical & Chemical Properties

Appearance: A very fine homogenous powder.

Colour: Grey – beige.

pH (5% suspension): 9-10

Relative density (kg/m³): 2400-2800

Particle size: 0-200 micron.

Stability & Reactivity

Reactivity: it presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

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Decomposition: liable to cause smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

Toxicological Information

LD50 (Rat) IVN 35mg/kg *
*from literature.

Ecological Information

Biodegradability: No data.
Precautions: prevent surface contamination of soil, ground and surface water.
Aquatic toxicology: LC50 Rainbow Trout 96 hrs, 10,000ppm.*
*From literature.

Disposal Considerations

Dispose of according to local regulations.
Avoid disposing into drainage systems and into the environment.

Transport Regulations

Irrelevant.

Regulatory Informations

Hazards: Irritant.
Symbol: Xi
Risk Phrases: R36/37/38 irritating to eyes, respiratory system and skin.
Safety phrases: S22 do not breathe dust.
S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 wear protective clothing.

Other Information

This information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or processes. Such information is, to the best of Just A Soap's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.