




Section 1. Product and Company Identification

Product Name Bentonite
CAS Number 1302-78-9

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Section 2. Hazards Identification

Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008): Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC): Not a hazardous substance or mixture.

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Other hazards: No information available

Section 3. Composition / Information on Ingredients

Common Name Bentonite
Synonym(s) Montmorillonite
CAS Number 1302-78-9

Section 4. First Aid Measures

Description of first-aid measures

General advice: Take off all contaminated clothing immediately.

Inhalation: Remove to fresh air. Oxygen or artificial respiration if needed. Call a physician immediately.

Skin Contact: Wash off with soap and water.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Ingestion: If large quantities of this material are swallowed, call a physician immediately.



Most important symptoms and effects, both acute and delayed Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Treatment: No information available.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Risk of dust explosion.

Advice for firefighters

Special protective equipment for firefighters: Wear suitable respiratory protection equipment.

Further information: Use water spray to cool unopened containers.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Avoid dust formation.

Environmental precautions: Try to prevent the material from entering drains or water courses.

Methods and materials for containment and cleaning up

Methods for cleaning up: Moisten and remove. Shovel into suitable container for disposal. Dispose of in accordance with local regulations.

Reference to other sections: For personal protection see section 8.

Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Provide sufficient air exchange and/or exhaust in work rooms. Avoid creating dust. Take precautionary measures against static discharges. Avoid contact with eyes. Do not get on skin or clothing. Remove all sources of ignition. Smoking, eating, and drinking should be prohibited in the application area.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition.

Further information on storage conditions: none

Advice on common storage: Incompatible with oxidizing agents.

Section 8. Exposure Controls / Personal Protection

Exposure controls

Engineering measures: Provide sufficient air exchange and/or exhaust in work rooms. Effective exhaust ventilation system

Personal protective equipment

Respiratory protection: Respirator with combination filter for vapor/particulate (EN 141). Half mask with a particle filter P1 (EN 143).

Hand protection: Protective gloves

The exact break through time can be obtained from the protective glove producer and this has to be observed. Impervious gloves

Eye protection: Safety glasses with side-shields conforming to EN166

Skin and body protection: Wear suitable protective clothing.

Protective measures: Do not breathe spray. Avoid contact with the skin and the eyes. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges. Environmental exposure controls

General advice: Try to prevent the material from entering drains or water courses.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Powder

Color: Light cream

Odor: Mild

Ignition temperature: 470°C

Lower explosion limit: 50 g/m³

Medium: No data available

Water solubility: Insoluble

Other Information

Conductivity: Not determined

Section 10. Stability and Reactivity

Chemical stability: No decomposition if stored and applied as directed.

Possibility of hazardous reactions

Hazardous reactions: None known.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Nitrogen oxides (NO_x)

Section 11. Toxicological Information

Acute toxicity

Acute oral toxicity: No data available

Skin irritation: Prolonged or repeated contact may dry skin and cause irritation.

Eye irritation: May irritate eyes. Dust contact with the eyes can lead to mechanical irritation.

Sensitization: No data available

Section 12. Ecological Information

Toxicity

Toxicity to fish: No data available

Persistence and degradability

Biodegradability: No data available

Bioaccumulative potential

Bioaccumulation: No data available

Mobility in soil

Mobility: No data available

Results of PBT and vPvB assessment: This substance is not considered to be very persistent and very bioaccumulating (vPvB). This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Additional ecological information: The product should not be allowed to enter drains, water courses or the soil.



Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

ADR: Not dangerous goods
IATA: Not dangerous goods
IMDG: Not dangerous goods
RID: Not dangerous goods

Section 15. Regulatory Information

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

Other regulations: The product does not need to be labelled in accordance with EC directives or respective national laws.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 12/27/2016