



BEIJING MININGSUN IMP AND EXP CO., LTD

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MATERIAL SAFETY DATA SHEET

Issued by	BEIJING MININGSUN IMPORT & EXPORT CO., LTD.
Product Name	Bentonite Clay
Trade Name	Miningsun Bentonite Clay
Chemical Nature	Natural bentonite clay / hydrated aluminium silicate
Product Use	Industrial mineral applications where bentonite clay is specified.
Document No.	MSDS-BC-001
Creation / Issue Date	February 2, 2026. Valid for 5 years from this date.

Section 1 - Identification of the Material and Supplier

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Section 2 - Hazards Identification

Hazard Statement: Avoid inhalation of dust and/or exceeding occupational exposure limits.

Emergency Overview: Grayish white, odorless powder. Dust may cause mechanical irritation to eyes, skin, and respiratory tract.

Precautionary Measures: Avoid generating airborne dust. Avoid eye and skin contact. Use suitable personal protective equipment when handling bulk quantities or when dust may be generated.

Section 3 - Composition/Information on Ingredients

Ingredient	CAS No.	Concentration	Exposure Limit
Bentonite clay / natural clay mineral	1302-78-9	Commercial product	Follow local occupational dust limits

This is a natural mineral product. The exact composition may vary slightly depending on the ore source and grade.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

Eye Contact: Rinse cautiously with clean water. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention if discomfort occurs.

Section 5 - Fire Fighting Measures

Special Hazards: None known under normal conditions of use and storage.

Extinguishing Media: The product itself does not burn. Use extinguishing media suitable for the surrounding fire.

Fire Fighting: No special measures are required for the product itself. Use protective equipment appropriate for the surrounding fire.

Section 6 - Accidental Release Measures

Personal Precautions: Avoid dust generation and inhalation. Wear suitable respiratory protection if dust is generated.

Cleanup Methods: Sweep up or vacuum material and place into suitable labelled containers. Avoid dry sweeping if excessive dust may be generated.

Environmental Precautions: Prevent large quantities from entering drains or water courses. Dispose of in accordance with local regulations.

Section 7 - Handling and Storage

Handling: Avoid generating airborne dust. Avoid eye and skin contact. Use good housekeeping practices in storage and use areas to prevent dust accumulation.

Storage: Store in a dry area free from moisture. Keep containers tightly closed at normal temperature.



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Section 8 - Exposure Controls and Personal Protection

Respiratory Protection: In case of dust formation, wear a suitable dust mask or respirator.

Skin Protection: Impervious gloves such as rubber or neoprene are recommended to avoid prolonged or repeated skin contact.

Eye Protection: Safety glasses or goggles are recommended.

Hygienic Measures: Wash off with warm water and soap after handling. Do not eat, drink, or smoke when using the product.

Section 9 - Physical and Chemical Properties

Property	Value
Appearance and Odor	Grayish white powder, odorless
Physical State	Solid
Boiling Point	Not applicable
Flash Point	Not applicable; product itself does not burn
Water Solubility	Partially soluble / dispersible in water
pH with 10% Suspension	7.05 - 7.5

Section 10 - Stability and Reactivity

Stability: Stable under normal handling and storage conditions.

Conditions to Avoid: Avoid moisture exposure and conditions that generate excessive dust.

Incompatible Materials: No specific incompatibilities are known for normal industrial handling.

Hazardous Decomposition Products: No hazardous decomposition products are expected under normal conditions.

Section 11 - Toxicological Information

Inhalation: Dust may cause mechanical irritation to the respiratory tract. Avoid inhalation of airborne dust.

Skin Contact: Prolonged or repeated contact may cause dryness or mild irritation.

Eye Contact: Dust may cause mechanical irritation. Rinse with water if exposed.

Ingestion: Rinse mouth. Significant exposure is unlikely under normal industrial use.

Section 12 - Ecological Information

No specific ecological data is available. The product is a natural mineral material and is not expected to be an environmental hazard under normal use. Prevent uncontrolled release of large quantities to waterways.

Section 13 - Disposal Considerations

Dispose of product and packaging in accordance with applicable local, regional, national, and international regulations. Reuse or recycle containers where practical.

Section 14 - Transport Information

UN Number: Not regulated as a dangerous good for transport.

Transport Hazard Class: Not applicable.

Packing Group: Not applicable.

Special Transport Precautions: Keep dry and prevent bag breakage during transport.

Section 15 - Regulatory Information

Users must ensure compliance with all applicable local, regional, national, and international regulations for handling, storage, transport, and disposal of mineral dust products.

Section 16 - Other Information

Responsible Department: QC Department

The information in this data sheet is believed to be accurate and is provided in good faith. Each purchaser should test the product to determine suitability for its intended purposes.

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