巩义市滤料工业有限公司
GONGYI FILTER INDUSTRY CO., LTD.
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Material Safety Data Sheet

Bentonite Clay

Section 1: Chemical Product and Company Identification

Product Name: Bentonite Clay

Brand: Southwest Water Innovations

Synonyms: Montmorillonite; Montmorillonite K10; Smectite Clay

CAS No.: 1318-93-0

Molecular Formula: Not applicable (naturally occurring hydrated aluminum silicate clay mineral; nominal composition $(Na,Ca)_{0.33}(Al,Mg)_2(Si_4O_{10})(OH)_2 \cdot nH_2O$)

Recommended Use: Coagulation aid / turbidity pre-treatment adjunct for water clarification.

Uses Advised Against: Food, drug, pesticide or biocidal product use.

Produced For / Distributed By: Southwest Water Innovations LLC, 4539 N 22nd St, STE N, Phoenix, AZ 85016

Telephone: 602-742-0002

Company Identification

Name of the Company: Gongyi Filter Industry Co., Ltd

Address: No. 8 Chaoyang West Road, Gongyi Industry Area, Gongyi, Henan, China

Post Code: 451200

Telephone: 0371-64133426 **Fax:** 0371-64133719

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Emergency Telephone Number: 0371-64133426

Section 2: Hazard(s) Identification

Classification (GHS)

Not classified. This product is not considered hazardous under the US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200); no label elements (pictogram or signal word) are required.

Signal Word: None.

Hazard Statements: None required.

Precautionary Statements

Storage: Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

Other Hazards: None identified (HNOC). This product is not considered hazardous under the US OSHA Hazard Communication Standard 2024 (29 CFR 1910.1200).

Section 3: Composition and Information on Ingredients

Component	CAS No.	Concentration (wt %)
Bentonite Clay (Montmorillonite)	1318-93-0	100%

Note: hazard, physicochemical and toxicological data in this SDS are referenced against montmorillonite, CAS 1318-93-0, per supplier safety data sheet cross-reference (Thermo Fisher Scientific Chemicals, Inc., "Montmorillonite K10," Cat. No. L15160, Revision Date 22-Dec-2025).

Section 4: First-Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation: Remove from exposure; lie down. Remove to fresh air.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water; if possible, drink milk afterwards.

Most Important Symptoms/Effects: No information available.

Notes to Physician: Treat symptomatically.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No information available.

Specific Hazards: Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products: Thermal decomposition can lead to release of irritating gases and vapors.

Hazard Ratings (0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)

Health	Flammability	Instability	Physical Hazards
0	1	0	N/A

Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required.

Environmental Precautions: Do not empty into drains. See Section 12 for additional ecological information.

Containment and Clean-Up: Sweep up and shovel into suitable containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid breathing dust or mist. Do not ingest; if swallowed, seek immediate medical assistance. Wash thoroughly after handling.

Storage: Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible materials: oxidizing agents.

Section 8: Exposure Controls / Personal Protection

Occupational Exposure Limits: This product does not contain any hazardous materials with occupational exposure limits established by region-specific regulatory bodies.

Engineering Controls: None required under normal use conditions.

Eye/Face Protection: Wear appropriate protective eyeglasses or chemical safety goggles per 29 CFR 1910.133 or EN 166.

Skin and Body Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection: No protective equipment is needed under normal use conditions; recommended filter type: particle filter, if needed.

Other Protection / Hygiene: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance: Light grey powder (solid)

Odor: Odorless

Odor Threshold: No information available

pH: No information available

Melting Point/Range: No data available

Boiling Point/Range: No information available

Decomposition Temperature: No data available

Density / Specific Gravity: No data available

Water Solubility: No information available

Flash Point: No information available

Flammability: No information available (solid)

Vapor Pressure / Vapor Density: No data available / Not applicable (solid)

Viscosity: Not applicable (solid)

Evaporation Rate: Not applicable (solid)

Section 10: Stability and Reactivity

Reactivity: None known, based on information available.

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible products.

Incompatible Materials: Oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Polymerization: No information available.

Section 11: Toxicological Information

Acute Toxicity: No data available.

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Irritation: No data available.

Skin/Respiratory Sensitization: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity

Component	IARC	NTP	ACGIH	OSHA	Mexico
Montmorillonite	Not listed	Not listed	Not listed	Not listed	Not listed

Reproductive Toxicity: No data available.

STOT – Single/Repeated Exposure: No data available.

Aspiration Hazard: Not applicable (solid).

Other Adverse Effects: The toxicological properties have not been fully investigated.

Section 12: Ecological Information

Ecotoxicity: No information available. Do not empty into drains.

Persistence and Degradability: No information available.

Bioaccumulative Potential: No information available.

Mobility: No information available.

Section 13: Disposal Considerations

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste, and must consult local, regional and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information

DOT / TDG / IATA / IMDG-IMO: Not regulated.

Section 15: Regulatory Information

United States Regulatory Information

TSCA Inventory: Supplier reference data for this specific grade (Montmorillonite K10) does not indicate Active/Inactive TSCA status; confirm inventory status for the actual grade supplied.

SARA 311/312 Hazards: Not applicable — not classified as hazardous under OSHA HazCom; refer to Section 2 classification.

SARA 313: Not subject to reporting requirements of Section 313 of Title III (SARA).

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under CERCLA (40 CFR 302) or SARA (40 CFR 355).

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know: Not applicable per supplier reference data.

Section 16: Other Information

Information on Revision

Creation Date: 2026/09/25

Revision Date: 2026/09/25

Reason for Revision: Reference data updated from Vanderbilt Minerals, LLC's VANATURAL® bentonite clay SDS (Validation Date 10/24/2023) to Thermo Fisher Scientific Chemicals, Inc.'s “Montmorillonite K10” SDS (Cat. No. L15160, CAS 1318-93-0, Revision Date 22-Dec-2025), prepared under the US OSHA Hazard Communication

Standard 2024 (29 CFR 1910.1200). Hazard classification, physicochemical, toxicological and US regulatory data updated accordingly; the crystalline silica (quartz) impurity note and associated California Proposition 65 warning were removed, as this reference grade does not report a quartz impurity. Global Chemical Inventory Status table removed from Section 15.

Prepared By: Gongyi Filter Industry Co., Ltd — Health, Safety and Environmental Department

Disclaimer

This Safety Data Sheet (SDS) was prepared according to GB/T16483 and GB/T17519. The data included was derived from international authoritative databases, including supplier reference data for CAS 1318-93-0, and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information; however, due to the diversity of information sources and the limitations of our knowledge, this document should be considered only one reference source. Users must make their own independent judgment of the suitability of this information for their intended purpose. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.