

***1 Product / Corporate Identification**

- 1.1 **Product:** Montmorillonite Desiccant
- 1.2 **Application:** Dehumidifying, moisture-proof
- 1.3 **Manufacturer:**
 Wisorbent Technology LLC
 11 E Stow Rd, Marlton, NJ 08053, USA
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***2 Hazards Identification**

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008):

This substance is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Information concerning particular hazards for human and environment:

The product has not to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.

Classification system:

The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 Not applicable

Hazard pictograms Not applicable

Signal word Not applicable

Hazard-determining components of labelling Not applicable

Hazard statements Not applicable

Precautionary statements Not applicable

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

***3 Composition/information on ingredients**

3.1 Substance

Composition	Percentage	Molecular Formula	CAS Number	EC Number
Bentonite	100%	Al ₂ O ₃ .4(SiO ₂). H ₂ O	1302-78-9	215-108-5

***4 Emergency Measure**

4.1 Description of first aid measures

Inhalation: Consult doctor immediately if feeling unwell.

Ingestion: Rinse out mouth with plenty of water; consult doctor immediately if feeling unwell.

Skin contact: Wash with water and soap and rinse thoroughly; consult doctor immediately if skin irritation continues.

Eye contact: Rinse opened eyes for several minutes under running water; consult doctor if symptoms persist.



4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

*5 Firefighting Measure

5.1 Extinguishing media

Suitable extinguishing agent: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture:

No further relevant information available.

5.3 **Flammability:** Product is nonflammable, but the packaging material may produce harmful substances in fire.

5.4 Advice for firefighters

Protective equipment:

Mouth respiratory protective device

Wear fully protective suit

*6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Avoid contact with eyes.

Avoid formation of dust.

Avoid contact with skin.

Do not inhale dust.

Use respiratory protective device against the effect of fumes/dust/aerosol.

6.2 **Environmental precautions:** Do not empty into drains

6.3 **Methods and materials for containment and cleaning up:**

Clean up the broken bag and leaked material; vacuum the leakage dust.

Dispose contaminated material as waste according to item 13.

6.4 **Reference to other sections**

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for disposal information.

*7 Handling and Storage

7.1 Precautions for safe handling:

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

Keep desiccant pouch sealed.

Keep away from heat and sunlight.

Prevent formation of dust.

Avoid contact with skin and eyes.

Wear protective equipment, see Section 8.



7.2 Conditions for safe storage including any incompatibilities:

Store in a cool, dry area in room temperature.

Keep container tightly closed.

Do not store with acids, alkaline or salt materials.

Avoid excessive ventilation during storage as the product can absorb moisture from the air.

7.3 Specific end uses(s)

No further relevant information available.

8 Exposure Controls / Personal Protection*8.1 Control parameters:**

Occupational exposure limits (Directive 2000/39/EC)

DNELs: Data not available.

PNECs: Data not available.

8.2 Exposure controls:

Base on composition shown in section 3, the following measures are suggested for occupational safety measure:

Hand protection: Wear protective gloves.

Respiratory protection: No special protection needed, use anti dust mask when the bag is broken.

Eye protection: No special protection needed, use safety glasses when the bag is broken.

Body protection: Wear appropriate protective clothing.

Engineering Control: General ventilation or local exhaust ventilation.

9 Physical and chemical Properties*9.1 Information on basic physical and chemical properties:**

Appearance: Gray, white, or amaranth irregular particles

Odor: Odorless

PH Value: 7~8.5

Bulk Density: $\geq 900\text{g/L}$

Boiling Point: 381.8 ± 37.0 °C at 760 mmHg

Melting Point: 1330~1430°C

Flammability: Non combustible

Flash Point: 184.7 ± 26.5 °C

Ignition Point: Not applicable

Solubility: Insoluble, expand in water and form suspension

9.2 Other Information: No further relevant information available.

***10 Stability and Reactivity**

10.1 Reactivity: The product is chemically stable under standard conditions.

10.2 Stability: Chemically stable under ordinary conditions.

10.3 Possibility of Hazardous reactions: The product is chemically stable under standard conditions

10.4 Conditions to Avoid: Avoid moisture during storage.

10.5 Incompatible Materials: Avoid strong oxidant and acid.

10.6 Hazardous Decomposition Products: No dangerous decomposition products known.



***11 Toxicological information**

11.1 Information on toxicological effects:

Acute toxicity: Base on available data, the classification criteria art not met.

LD/LC50 values relevant for classification:

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
rat	LD50	intravenous	35mg/kg	LUNGS, THORAX, OR RESPIRATION: ACUTE PULMONARY EDEMA	Bolletino della Societe Italiana di Biologia Sperimentale. Vol. 44. Pg. 1685, 1968.

Skin corrosion/irritation: Base on available data, the classification criteria art not met.

Serious eye damage/irritation: Base on available data, the classification criteria art not met.

Respiratory or skin sensitization: Base on available data, the classification criteria art not met.

Germ cell mutagenicity: Base on available data, the classification criteria art not met.

Carcinogenicity: Base on available data, the classification criteria art not met.

Reproductive toxicity: Base on available data, the classification criteria art not met.

STOT-single exposure: Base on available data, the classification criteria art not met.

STOT-repeated exposure: Base on available data, the classification criteria art not met.

Aspiration hazard: Base on available data, the classification criteria art not met.

Carcinogenicity: Base on available data, the classification criteria art not met.

***12 Ecological Information**

12.1 Toxicity

Ecotoxicity effects: Do not empty into drains. Do not flush into surface water or sanitary sewer system.

Component	Freshwater Fish
Bentonite	LC50: = 19000 mg/L, 96h static (Oncorhynchus mykiss) LC50: 8.0 - 19.0 g/L, 96h (Salmo gairdneri)

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects:

Endocrine Disruptor Information: This product does not contain any known or suspected endocrine disruptors

Persistent Organic Pollutant: This product does not contain any known or suspected substance

Ozone Depletion Potential: This product does not contain any known or suspected substance No further relevant information available.

***13 Disposal consideration**

13.1 Waste treatment methods:

Waste from Residues / Unused Products: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging: Empty remaining contents. Dispose of in accordance with local regulations. Do not re-use



empty containers.

***14 Transportation information**

IMDG/IMO Not regulated

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group

ADR Not regulated

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group

IATA Not regulated

- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)
- 14.4. Packing group

- 14.5. Environmental hazards: No hazards identified.
- 14.6. Special precautions for user: No special precautions required.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable, packaged goods

***15 Regulatory Information**

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

International Inventories:

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	IECSC	AICS	KECL
Bentonite	215-108-5	-	-	Listed	Listed	-	Listed	-	Listed	Listed	KE-02119

15.2 Chemical safety assessment: A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted.

***16 Other Information**

Key or legend to abbreviations and acronyms:

- CAS** - Chemical Abstracts Service
- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances.
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japanese Existing and New Chemical Substances



IECSC - Chinese Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

LD50 - Lethal Dose 50%

LC50 - Lethal Concentration 50%

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

MARPOL - International Convention for the Prevention of Pollution from Ships

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

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