



# SAFETY DATA SHEET

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Trade Name</b>	Earthing-Grade Sodium Bentonite
<b>CAS Number:</b>	1302-78-9
<b>EC Number:</b>	215-108-5
<b>Manufacturer/Supplier</b>	EMCSAFE
<b>Phone Number</b>	Telephone: +989159080794
<b>Emergency Phone Number</b>	+989157980467
<b>Email</b>	Info@emcsafe.com
<b>Emergency Email</b>	Emcsafe@gmail.com

## SECTION 2 — HAZARD IDENTIFICATION

<b>Hazard Classification</b>	Not classified as hazardous under GHS.
<b>Label Elements:</b>	Signal Word: None Hazard Statements: None

### Precautionary Statements

Avoid inhalation of dust.

Use adequate ventilation during handling.

Prolonged inhalation of high dust concentrations may cause mechanical irritation to the respiratory tract.

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Sodium Bentonite (CAS No. 1302-78-9): 100% natural mineral

\*No hazardous impurities above GHS classification thresholds

### SECTION 4 — FIRST AID MEASURES

<b>Inhalation</b>	Move to fresh air. Seek medical attention if irritation persists.
<b>Eyes</b>	Rinse immediately with clean water for several minutes. Seek medical advice if irritation continues
<b>Skin</b>	Wash with soap and water.
<b>Ingestion</b>	Rinse mouth with water. Non-toxic, but seek medical advice if large amounts are ingested
<b>Notes to Physician</b>	Treat symptomatically

### SECTION 5 — FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Non-combustible material
<b>Unsuitable Extinguishing Media</b>	None
<b>Special Exposure Hazards</b>	None known. Product is not combustible.
<b>Special Protective Equipment and Precautions for Firefighters</b>	None for product. Wear self-contained breathing apparatus (SCBA) and full protective gear. *Caution: slippery when wet.
<b>NFPA Ratings</b>	Health 1, Flammability 0, Reactivity 0

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

<b>Personal Precautionary Measures</b>	Use appropriate protective equipment. Avoid creating and breathing dust. Prevent further leakage or spillage if safe to do so.
<b>Environmental Precautionary Measures</b>	No special environmental precautions required

## SECTION 7 — HANDLING AND STORAGE

### Handling Precautions

Avoid generating airborne dust. Wear a dust mask (P2 or N95) and safety goggles during bulk handling.

### Storage Information

Store in a dry, cool, and well-ventilated area away from acids. Keep bags sealed.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

- Respirable dust: 1–3 mg/m<sup>3</sup> (ACGIH TLV)
- Total dust: 10 mg/m<sup>3</sup> (ACGIH TLV)

### Engineering Controls

Use approved industrial ventilation and local exhaust as required to maintain exposures below applicable exposure limits.

### Personal Protective Equipment

- Respiratory protection: Dust mask (EN 149: FFP2 or N95)
- Eye protection: Safety goggles
- Skin protection: Gloves for prolonged handling

### Other Precautions

None known.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Fine grey/beige powder

### Color

Light tan to gray (as dry powder)

### Odor

Odorless

### pH

8–10 (5% aqueous suspension)

### Electrical resistivity

≤ 2 Ω·m (wet)

<b>Swelling capacity</b>	≥ 600%
<b>Bulk density</b>	0.8–1.0 g/cm <sup>3</sup>

## SECTION 10- STABILITY AND REACTIVITY

<b>Reactivity</b>	Nonreactive
<b>Chemical Stability</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions</b>	Non-reactive and non-corrosive
<b>Conditions to Avoid</b>	None known
<b>Incompatibility (Materials to Avoid)</b>	None known
<b>Hazardous Decomposition Products</b>	None known
<b>Additional Guidelines</b>	Not applicable

## SECTION 11 TOXICOLOGICAL INFORMATION

### Toxicity Tests

<b>Oral Toxicity</b>	Not determined.
<b>Dermal Toxicity</b>	Not determined
<b>Inhalation Toxicity</b>	Not determined
<b>Primary Irritation Effect</b>	Not classified
<b>Carcinogenicity</b>	No known carcinogenic effects (IARC Group 3 – not classifiable).
<b>Genotoxicity</b>	Not classified
<b>Reproductive/Developmental Toxicity</b>	Not classified

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Mobility (Water/Soil/Air)</b>	Not determined
<b>Persistence/Degradability</b>	Not determined
<b>Bio-accumulation</b>	Not determined

## **Ecotoxicological Information**

Acute Fish Toxicity	Not determined
Acute Crustaceans Toxicity	Not determined
Acute Algae Toxicity	Not determined

## **Chemical Fate Information**

Not determined

## **Other Information**

**Non-toxic to aquatic or terrestrial life**

## **SECTION 13 — DISPOSAL CONSIDERATIONS**

### **Disposal Method**

If product should become a waste dispose in a licensed landfill according to federal, state and local regulations

\*Not classified as hazardous waste.

## **SECTION 14 — TRANSPORT INFORMATION**

### **Land Transportation**

DOT	Not regulated as dangerous goods
Canadian TDG	Not regulated as dangerous goods
ADR	Not regulated as dangerous goods

### **Air Transportation**

ICAO/IATA	Not regulated as dangerous goods
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### **Sea Transportation**

IMDG	Not regulated as dangerous goods
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### **Other Transportation Information**

Labels	None
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## **SECTION 15-REGULATORY INFORMATION**

### **US Regulations**

<b>US TSCA Inventory</b>	All components listed on inventory or are exempt.
<b>EPA SARA Title III Extremely Hazardous Substances</b>	Not applicable
<b>EPA SARA (311, 312) Hazard Class</b>	Chronic Health Hazard
<b>EPA SARA (313) Chemicals</b>	This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

<b>EPA CERCLA/Superfund Reportable Spill Quantity</b>	Not applicable
<b>EPA RCRA Hazardous Waste Classification</b>	If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

### **California Proposition 65**

This product contains crystalline silica (quartz), a substance known to the State of California to cause cancer.  
 \*\*However, the risk is associated only with prolonged inhalation of respirable dust.\*\*

### **Canadian Regulations**

<b>Canadian DSL Inventory</b>	All components listed on inventory or are exempt.
<b>WHMIS Hazard Class</b>	This product contains crystalline silica (respirable) and is classified as a Class D, Division 2, Subdivision A substance.

## **SECTION 16 OTHER INFORMATION**

<b>Prepared</b>	23/01/2021
<b>Last Revision</b>	06/01/2024

### **DISCLAIMER**

All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by EMCSAFE. as to this information, or as to the safety, toxicity or effect of the use of this product.

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The information and data made here in are believed to be accurate. However, considering that production may come from new mineral veins or different mines, if a more detailed analysis or a laboratory certificate is required, please specify it at the time of contract signing.

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