# Sodium Bentonite - Material Safety Data Sheet

## Section 1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Sodium Bentonite</th>
<th>Contact Information: Minepro Minerals</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS#:</td>
<td>1302-78-9</td>
<td></td>
</tr>
<tr>
<td>RTECS:</td>
<td>CT9450000</td>
<td></td>
</tr>
<tr>
<td>TSCA: TSCA 8(b) inventory</td>
<td>Ben tonite</td>
<td></td>
</tr>
<tr>
<td>CI#:</td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Synonym:</td>
<td>Montmorillonite</td>
<td></td>
</tr>
<tr>
<td>Chemical Formula:</td>
<td>((\text{Al,Fc}1.67\text{Mg}3.33)\text{Si10(OH)}2\text{Na}(+)\text{Ca}(++)/2.33)</td>
<td></td>
</tr>
<tr>
<td>Contact Information:</td>
<td>Minepro Minerals</td>
<td></td>
</tr>
<tr>
<td>MAIL:</td>
<td><a href="mailto:info@minepro.net">info@minepro.net</a></td>
<td></td>
</tr>
<tr>
<td>TEL:</td>
<td>+91.22.2511.4972</td>
<td></td>
</tr>
<tr>
<td>FAX:</td>
<td>+91.22.2511.4972</td>
<td></td>
</tr>
</tbody>
</table>

## Section 2: Composition and Information on Ingredients

### Composition:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bentonite</td>
<td>1302-78-9</td>
<td>100</td>
</tr>
</tbody>
</table>

## Section 3: Hazards Identification

### Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

### Potential Chronic Health Effects:
Hazardous in case of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 4: First Aid Measures

### Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Warm water Must be used. Get medical attention.

### Skin Contact:
Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

### Serious Skin Contact:
Not available.

### Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical Attention if symptoms appear.

### Serious Inhalation:
Not available.
**Ingestion:**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious Person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion:** Not available.

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**Section 5: Fire and Explosion Data**

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** When heated to decomposition it emits toxic fumes.

**Special Remarks on Explosion Hazards:**
Electrolysis of sodium chloride in presence of nitrogenous compounds to produce chlorine may lead to formation of explosive nitrogen trichloride. Potentially explosive reaction with dichloromaleic anhydride + urea

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**Section 6: Accidental Release Measures**

**Small Spill:**
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities

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**Section 7: Handling and Storage**

**Precautions:**
Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic.

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**Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:**
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** TWA: 10 from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.
### Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid.

**Odor:** Odorless.

**Taste:** Not Available.

**Molecular Weight:** Not Available

**Color:** Beige. (Light)

**pH (1% soln/water):** Not Available.

**Boiling Point:** Not Available

**Melting Point:** Decomposes.

**Critical Temperature:** Not available.

**Specific Gravity:** 2.5 (Water = 1)

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not Available.

**Solubility:** Very slightly soluble in Cold Water, Hot Water. Insoluble in Methanol, Diethyl ether, n-octanol, acetone.

### Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not Available.

**Corrosivity:** Not considered to be corrosive for metals and glass.

**Special Remarks on Reactivity:** Not Available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.
**Section 11: Toxicological Information**

**Routes of Entry:** Eye contact. Inhalation.

**Toxicity to Animals:**
LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:** Causes damage to the following organs: lungs.

**Other Toxic Effects on Humans:** Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

**Special Remarks on Toxicity to Animals:** Not available.
**Special Remarks on Chronic Effects on Humans:** Not available.
**Special Remarks on other Toxic Effects on Humans:** Not available.

**Section 12: Ecological Information**

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are as toxic as the original product.

**Special Remarks on the Products of Biodegradation:** Not available

**Section 13: Disposal Considerations**

**Waste Disposal:**
Waste must be disposed off in accordance with federal, state and local environmental control regulations.

**Section 14: Transport Information**

**DOT Classification:** Not a DOT controlled material.

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable

**Section 15: Other Regulatory Information**

**Other Regulations:**


**DSCL (EEC):**
R40- Possible risks of irreversible effects. S24/25- Avoid contact with skin and eyes.

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0
**Protective Equipment:**
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles

**Section 16: Other Information**


Minepro Minerals.

Quality Assurance Department. Email: info@minepro.net

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