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# MATERIAL SAFETY DATA SHEET (MSDS)

## CALCIUM BENTONITE

### SECTION 1 – PRODUCT IDENTIFICATION

**Trade Name:** BENCOS BENTONITE  
**Synonym:** Smectite/Montmorillonite  
**Chemical Family:** Alumino Silicate  
**Formula:**  $A_{12}O_3SiO_2 \cdot H_2O$   
**CAS Number:** 1302-76-7  
**HMIS:** HO\* FO RO

### SECTION 2 – PHYSICAL DATA

**Boiling Point (F):** Not Applicable  
**Vapor Pressure (mm hg):** Not Applicable  
**Vapor Density:** Not Applicable  
**Solubility:** Insoluble  
**Specific Gravity (H<sub>2</sub>O+1):** 2.58  
**Percent Volatile by Weight:** 0  
**Evaporation Rate:** 0  
**Appearance and Odor:** Beige/Green Powder, No Odor

### SECTION 3 – FIRE AND EXPLOSIVE HAZARD DATA

**Flash Point:** Non-flammable  
**Flammable Limits: LEL -** Non-flammable  
**UEL -** Non-flammable  
**Extinguishing Media:** Water  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** None



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## SECTION 4 – HEALTH HAZARD DATA

**Threshold Limit Values:** Silica- 10 mg/M3 / %SiO<sub>2</sub> + 21 or  
50 mppcf / %SiO<sub>2</sub> + 5(OSHA)  
0.1 mg/M3 , Respirable Dust (ACGIH)  
0.3 mg/M3 , Total Dust (ACGIH)  
0.05 mg/M3 Recommended PEL (NIOSH)

**Effects of Overexposure:** Short term overexposure to silica can product cough, wheezing and dyspnea. Long term overexposure to silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to silica can lead to cardiopulmonary impairment.

**Emergency and First Aid Procedures:** Wash dust from skin with soap and water. Flush out eyes with generous amounts of water for at least 15 minutes. See a Physician if irritation persists.

## SECTION 5 – REACTIVITY DATA

**Product is Stable.**

**Incompatibility:** None

**Hazardous Decomposition Products:** None

**Hazardous Polymerization will not occur.**

## Section 6 – SPILL OR LEAK PROCEDURES

**Steps to be Taken in case Material is Released or Spilled:** Notify the Safety Personnel of major spills. Provide ventilation. Clean-up personnel need protection against eye contact and inhalation of dust. Pick up spills taking care to avoid raising dust clouds (vacuum or wet sweeping is recommended.) Place in close container for disposal.

**Waste Disposal Method:** Dispose in approved landfill. Disposal must be made in accordance with Federal, state and local regulations.

## Section 7: SPECIAL PROTECTION INFORMATION

**Eye Protection:** (Use Most Appropriate): Safety Glasses, Goggles, Face Shield.

**Skin Protection:** Leather or Rubber Gloves.

**Respiratory Protection:** Use of dust respirator is recommended when exposure limits may be exceeded.

**Ventilation:** Local exhaust ventilation to collector or containment recommended to control dust to below exposure limits.

*Note: The Data and recommendations presented herein are based upon data which is considered to be accurate. However, JNS Beauty & Nutrition LLC makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data and recommendations.*