



1. PRODUCT AND COMPANY IDENTIFICATION

Product name	: Bentonite Clay
INCI name	: Bentonite
Material	: Non-organic clay, 325 Mesh, Smectite Clay
Common Synonym	: Calcium Montmorillonite, Calcium Bentonite
Country of Origin	: Western United States
Sourced	: zoned via geological survey (USGS), Pure Clay Vein (Volcanic Origin) Subterranean, mined from greater than 6 meters below the earth's surface
Process	: Sundried, standard mill to 325 Mesh, No chemicals used in process
Quality Control	: Mineralogy Spot Checks: X-ray diffraction and/or ICP Mass (Gas) Spectrometry Standard Microbial Analysis, Radiation Monitoring
Product Use	: Domestic and Industrial
Supplier	: Laptop Warriors Media Inc. DBA NamaClay
Address	: 6174 Mystic Way, Nanaimo, BC V9V 1M7
Telephone number	: 1-800-532-1922
Emergency phone number	: 1-800-532-1922

2. HAZARDS INFORMATION

Emergency Overview

GHS Classification

Serious eye damage/eye irritation – Category 2B

Specific Target Organic toxicity – single exposure – Category 3

GHS Label elements, including precautionary statements



Signal: Warning

Hazard statement(s)

H320	: Causes eye irritation.
H335	: May cause respiratory irritation.

Precautionary statement(s)

P260	: Do not breathe / dust / fumes / gas / mist / vapours / spray.
P261	: Avoid breathing dust / fumes / gas / mist / vapours / spray.
P271	: Use only outdoors or in a well-ventilated area.
P304+P340	: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

- P312 : Call a POISON CENTER / doctor / if you feel unwell.
- P403 + P233 : Store in a well ventilated place. Keep container tightly closed.
- P405 : Store locked up.
- P501 : Dispose of contents / container according to local regulations.

Hazardous Ingredients

Classification dictates potential for free silica dioxide. The current OSHA Standard, 8 hour TWA (Respirable Dust) is determined by the formula: $10 \text{ mg/M}^3 / \% \text{SiO}_2 = 2$ or $50 \text{ mppcf} / \% \text{SiO}_2 + 5$
 ACGIH is proposing a TLV of 0.1 mg/M³ (Respirable Dust) or 0.3 mg/M³ (Total Dust)
 NIOSH has recommended a Permissible Exposure Level of 0.05 mg/M³

3. COMPOSITION / INFORMATION INGREDIENTS

- CAS Number : 1302-78-9
- Chemical family : Silicate Dioxide
- Formula : SiO₂ CaO MgO K₂O Na₂O H₂O
- Mesh : 400
- HMIS : HO*FO RO

4. FIRST AID MEASURES

- Eye Contact** : Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.
- Skin Contact** : Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.
- Inhalation** : If inhaled, removed to fresh air. Get medical attention if symptoms appear.
- Ingestion** : Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Not relevant.
- Specific hazards** : None. Non-flammable and non explosive product.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Equip clean crew with proper protection. Respiratory protection equipment may be necessary.
- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- Methods and materials for containment and cleaning up** : To prevent the formation of dust, avoid dry sweeping, use vacuum or cleaning systems with water spray.

7. HANDLING AND STORAGE

Precautions for safe handling : Avoid generating and spreading dust. Avoid inhalation of dust.
Conditions for safe storage, including any incompatibilities : Store in a cool and dry location. Keep the product in original packaging, free from any microbiological contamination. Spilled material (both wet and dry) may cause slippery conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control : Use exhaust ventilation if required, to maintain dust concentration below regulatory limit
Eyes : Use tightly sealed goggles.
Skin : If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory : In case of insufficient ventilation, wear respiratory equipment.
Exposure control : Use exhaust ventilation, if required to maintain dust concentration below regulatory limit

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Gray/green powder
Odor : Odorless.
Specific gravity : 2.58
Percent volatile by weight : 0
Evaporation weight : 0

10. STABILITY AND REACTIVITY

Reactivity : This material presents no significant reactivity hazard.
Chemical stability : Chemically stable.
Possibility of hazardous reactions : Hazardous polymerization will not occur.
Conditions to avoid : None.
Incompatible materials : None.
Hazardous decomposition products : No risk of decomposition.
Marine Pollutant : Inert substance, ocean non-pollutant.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Not available
Respiratory or skin sensitization : Prolonged exposure to dust can cause respiratory effects.
Inhalation : May cause mild irritation
Skin contact : Adverse skin effects should be prevented by normal personal hygiene.
Eye contact : Eye contact may cause irritation.

12. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, city or provincial and federal regulations. Check with local municipality authority to ensure compliance.

13. TRANSPORT INFORMATION

DOT Classification	: Not listed.
SARA 313	: None Known.
TSCA	: Listed.
CANADIAN DSL	: Exempt.
CAS	: 1302-78-9
ECCN	: Ear99
Schedule B (FTD)	: 2508.10.0000
US Freight Commodity Code	: 14511
Codex/INS	: 556
US Fright Class	: 55

14. REGULATORY INFORMATION

Safety Advice	: To ensure safe use, wear respiratory protection during handling, gloves and eye protection.
California Proposition	: Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (as stated in Proposition 65 revised list): TRACE HEAVY METALS.
GHS Hazard Statements	: See Section 2.
GHS Precautionary Statements	: See Section 2.

15. DISCLAIMER AND CAUTION

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