

AV Website Marketing Group, LLC

Material Safety Data Sheet – Smectite Clay

SECTION 1 – Product Identification

Material: Non-organic clay, 325 Mesh
Common Name: Bentonite Clay
Synonym: Calcium Montmorillonite, Calcium Bentonite
Sourced: Subterranean, mined from greater than 6 meters below the earth's surface
Chemical Family: Silicate Dioxide
Formula: $\text{SiO}_2 \text{ CaO MgO K}_2\text{O Na}_2\text{O H}_2\text{O}$
Mesh: 325
CAS Number: 1302-78-9
HMIS: HO* FO RO

SECTION 2 – Hazardous Ingredients

Calcium Bentonite contains 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

SECTION 3 – Physical Data

Specific Gravity: 2.58
Percent Volatile by Weight: 0
Evaporation Rate: 0
Appearance & Odor: Gray/Green Powder, No Odor

SECTION 4 – Fire and Explosion Hazard

N/A – Non-flammable

SECTION 5 – Health Hazard Data:

Threshold Limit Values: N/A
Effects of Overexposure: N/A
Emergency and First Aid: N/A

SECTIONS 6, 7, 8 & 9 – Reactivity, Spill and Leak Procedures, Special Protection & Special Precautions:

Reactivity: N/A
Spill & Leak Procedures: None
Special Protection & Precautions: None
Inert Substance, Ocean non-pollutant

SECTION 10 - REGULATORY INFORMATION:

DOT Classification: Not Regulated
SARA 313: NONE KNOWN
TSCA : LISTED
EUROPEAN INVENTORY: LISTED
CANADIAN DSL: EXEMPT
AUSTRALIAN AICS: LISTED
JAPANESE ENCS: ENCS 9 1971
CAS: 1302-78-9
ECCN: Ear99
Schedule B (FTD): 2508.10.0000
U.S. Freight Commodity Code: 14511
E.U. Food Additive: E556
Codex/INS: 556
U.S. Freight Class: 55