



---

## VI. HEALTH HAZARD INFORMATION

---

### ROUTES OF EXPOSURE AND EFFECTS

Skin : Possible drying resulting in dermatitis.

Eyes : Mechanical Irritant.

Inhalation: (Acute, Short Term) Exposure to excessive concentrations of dust may cause irritation of the Nose, Throat, And Upper Respiratory Tract. (Chronic, Long Term) Chronic exposure to crystalline silica such as quartz were levels exceed TLV's can cause Silicosis and other respiratory problems. Short term exposure to very high concentrations may lead to increased risk and accelerated onset of silicosis and respiratory damage. Silicosis is a progressive, degenerative, disabling, and sometimes fatal lung disease characterized by coughing, shortness of breath, wheezing, and fibrotic changes in the lungs with scarring and nodular formation.

Ingestion: Accidentally this material will generally cause no adverse effects. Minor intestinal irritation is possible.

<u>Permissible Exposure Limits</u> : (For air contaminants)	OSHA PEL (8hr. TWA)	ACGIH TLV
Bentonite as nuisance dust		
Total dust	15mg/cubic meter	ND
Respirable dust	5mg/cubic meter	ND
Crystalline Quartz (respirable)	0.1 mg/cubic meter	0.1 mg /cubic meter

Where crystobalite or tridymite are present ussse ½ of the PEL or TLV value for crystalline quartz.

Carcinogenicity: Bentonite is not listed by NTP, IARC, or OSHA. IARC, 1987 concludes that there is limited evidence suggesting the carcinogenicity in humans of inhaled crystalline silica (IARC Class 2A).

---

Acute oral LD: ND

Acute Dermal LD:

Aquatic Toxicology LC: ND

---

### Emergency and First Aid Procedures

Skin : Wash with soap and water until clean

Eyes : Flush with water until irritation ceases. Do not rub eyes.

Inhalation : Move to area free from dust. If symptoms of irritation persist contact physician. Inhalation may aggravate existing respiratory illness.

---

## VII. HANDLING AND USE PRECAUTIONS

---

Steps to be taken if material is released or spilled: Avoid breathing dust; wear respirator approved for silica bearing dust. Vacuum up to avoid generating airborne dust. Avoid using water. Product is slippery when wet.

Waste Disposal Methods : Product should be disposed of in accordance with applicable local, state, and federal regulations.

Handling and Storage Precautions: Use NIOSH/MSHA respirators approved for silica bearing dust when free silica containing airborne bentonite dust levels exceed PEL/TLV's. Clean up spills promptly to avoid making dust. Storage area floors may become slippery when wet.

---

## VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

---

Ventilation Requirements: Mechanical, general room ventilation. Use local ventilation to maintain PEL's/TLV's.

Respirator: Use respirator approved by NIOSH/MSHA for silica bearing dust.

Eye Protection: Use safety glasses or goggles to minimize material from getting into eyes.

Gloves: Generally not necessary.

Other Protective Clothing or Equipment: None

---

## IX. SPECIAL PRECAUTIONS

---

Avoid prolonged inhalation of airborne dust.

---

## DEPARTMENT OF TRANSPORTATION INFORMATION

---

Shipping Name: Common Ground Clay (NOIBN) Hazard Class: Not Hazardous Cautionary Labeling: None required

---

This information is taken from sources or based upon data believed to be reliable, however, Western Clay Co. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other special protective measures may not be required under unusual or particular conditions which may be associated with normal use of this product. Since the use or misuse of this product is not within the control of Western Clay Co. it is the users obligation to assure conditions of safe use and disposal of this product. Seller warrants that this product conforms to the specifications stated herein. Buyer assumes all risks associated with the possession, use, mixing, blending, treatment, storage, disposal, transportation, and handling of the product, wether alone or in combination with other substances. SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATEVER, EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF QUALITY MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. Seller's liability is limited to the product price.