

MONTMORILLONITE MSDS

HAZARDS IDENTIFICATION

Emergency Overview:

Odourless, light tan to gray dry crystalline powder (blue to green moist solid). This material presents little or no hazard if spilled and exhibits no unusual fire hazard.

Potential Health Effects:

Eye: May cause irritation.

Skin: May cause irritation. Repeated skin contact may aggravate an existing dermatitis (skin condition) and/or sensitivity of the skin.

Inhalation: Exposure to dust levels exceeding the PEL (see Section 8) may cause irritation to the upper respiratory system.

FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Remove contaminated clothing. Wash affected area with plenty of soap and water for several minutes. If skin irritation develops or persists, seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

FIREFIGHTING MEASURES

Flashpoint: Not available

Flammable Limits: Not available

Auto-Ignition Temperature: Not available

Note: This material is non-combustible as supplied and does not support combustion.

ACCIDENTAL RELEASE MEASURES

Avoid generating or breathing airborne dust. If unused material is spilled collect by sweeping, shoveling, or vacuuming and recycle the material for use. If this product is mixed with other materials, see Section 13.

HANDLING & STORAGE

Store in a cool, dry, well-ventilated area.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: None specifically developed for this product, treated as a nuisance dust as defined in 29 CFR 1910.1000.

OSHA PEL: Total dust is 15 mg/M³. Respirable Fraction is 5 mg/M³

ACGIH TLV: is 10 mg/M³

The end-user must determine the specific types of personal protective equipment needed according to 29 CFR 1910.132

PHYSICAL & CHEMICAL PROPERTIES

Appearance: Light tan to grey dry crystalline powder (blue to green moist solid).

Odour: Odourless

Boiling Point: Not available.

Vapour Pressure (mmHg): Not tested.

Vapour Density: Not tested.

Solubility in Water: Insoluble.

Specific Gravity (H₂O=1): 2.50

Melting Point: 7282°

Ph: 8-10 5% aqueous solution

Evaporation Rate

(Butyl Acetate=1):

Not tested.

% Vapourizable by Volume (H₂O=100):

Not available.

10. STABILITY & REACTIVITY

Stable: Yes

Conditions to Avoid: None known.

Incompatibility: Hydrofluoric acid, hydrazine, and strong oxidizers.

Hazardous Decomposition or Byproducts: None known
Hazardous Polymerization: Will not occur.

TOXICOLOGICAL INFORMATION

This product is not listed by NTP or IARC. See Section 15.

ECOLOGICAL INFORMATION

No data available. See Section 15.

DISPOSABLE CONSIDERATIONS

This product in itself is considered to be non-hazardous as defined by RCRA (40 CFR 261). Once used, this product may take on the characteristics of the chemical(s) it was used with and should be disposed of accordingly. Disposal of this product (used or unused) must be in compliance with all local, state, and federal regulations.

TRANSPORT INFORMATION

This product is not a DOT Hazardous Material and is not regulated for all shipping purposes.

REGULATORY INFORMATION

TSCA Inventory Status: All components are listed on the TSCA list.

SARA Title III:

Section 302 Extreme Hazardous Substance List: Not listed.

Section 311.312 Hazard Classification:

Immediate (acute)	No
Delayed (chronic)	No
Fire	No
Sudden Release of Pressure	No
Reactive	No

Section 313 Toxic Chemicals: Not listed.

USEPA CERCLA-- Reportable Quantity: Not listed.

RCRA Hazardous Waste: Not listed.