

MATERIAL SAFETY DATA SHEET

N° cas 1318-93-0
ENCS 215-288-5

General Information

1. Product Name : French green clay Montmorillonite superfine
2. INCI : Montmorillonite (green clay)
3. Manufacturer :

Chi International BV
Postbus 6806
4802 HV Breda (NL)
Tel: 076-5719199
Fax: 076-5810260
E-mail: info@chi.nl

Health Hazard

- Irritancy of product : Eye contact and inhalation are major routes of entry
Inhalation: Inhalation of dust can cause irritation
Skin: Prolonged or repeated skin contact can cause irritation
Eyes: contact eyes can cause irritation
Ingestion: Not an expected route of entry

Fire and Explosion

- Flammability : Non-combustible
Auto Ignition temp: Not applicable
Combustion products : Not applicable
Flash point: Not applicable
Upper & Lowe Flammable Limit: Not applicable
Special Firefighting procedures: Not applicable
Sensitivity to mechanical
Impact/static Discharge: Not applicable

Emergency First Aid

- Eye Contact: Hold eyelids open, flush with water and flush with steady, gentle stream for at least 1-2 minutes. Seek medical attention if irritation persists.
- Skin Contact: Wash off with soap and water, then continue to flush with water for 1 minute.
- Inhalation: Remove to fresh air. If continued respiratory irritation occurs or if breathing becomes difficult, seek medical attention.
- Ingestion: Over exposure may cause constipation. Drink copious amount of milk/water.

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Materials Spilled or Released :

No emergency results from spillage, however to extent possible spills should be cleaned up using shovels, sweeping or vacuum. Avoid dust generation. Place in appropriate container for disposal and flush with water.

Waste Disposal Methods: Dispose of in accordance with local, state, and federal regulations.

Precautions to be Taken In Handling and Storage:

Do not swallow. Do not breathe dust. Avoid getting in eyes, on skin, or on clothing.

PHYSICAL / CHEMICAL CHARACTERISTICS

Physical Data

GREEN POWDER APPEARANCE, NO ODOR

PH: neutral

Cationic exchange rate: +/- 70 meq / 100g

Components

| | |
|--------------------------------|---------|
| SiO ₂ | 55,47 % |
| Al ₂ O ₃ | 18,64 % |
| CaO | 1,93 % |
| Fe ₂ O ₃ | 6,35 % |
| K ₂ O | 3,66 % |
| MgO | 4,01 % |
| Na ₂ O | 1,10 % |
| MnO | 0,15 % |

| | |
|----|------------|
| As | < 3 |
| Pb | < 17 ppm |
| Cd | ≤ 0,22 ppm |
| Hg | ≤ 0,03 ppm |

| | |
|--|-----------------------|
| Boiling Point : | Not applicable |
| Vapor Pressure: (mm Hg and Temperature) | Not applicable |
| Vapor Density (Air = 1) | Not applicable |
| Explosivité : | Not applicable |
| Density: | 0,85g/cm ³ |
| Solubility In Water: | Insoluble |

toxicological information

Human data

There is no information on toxicokinetics, metabolism and distribution.

Regulatory information

All ingredients are included on the quality control of French Pharmacopeia Standards V2.1.8

biodeterioration

Natural Product