MATERIAL SAFETY DATA SHEET - MSDS

Chemical product identification: Granules smectite clay

Revision date: 03-17-2013

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical product identification: Granules smectite clay

Name: TruMedical Solutions, LLC.
Address: 5201 Ooltewah Ringgold Road, Ooltewah TN 37363
Telephone: 877-882-7844
E-Mail: **info@tru-medical.com**

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Names:

Hydrated Aluminium and Magnesium – Silicate	CAS No. 1302-78-9
Dipropylene glycol	CAS#: 25265-71-8
Sodium hydroxymethylglycinate	CAS#: 70161-44-3

Hazardous Ingredients
Crystalline Silica (quartz, 14808 – 60 – 7) is present ＜6% as a naturally occurring component not removed from the clay ore in processing. See Section 11 for further information.

SECTION 3 HAZARDS IDENTIFICATION

HMIS Rating:
Health = 1* (possible hazard from chronic exposure to dust, see Section 11)
Flammability = 0, **Reactivity** = 0, **Personal Protective Equipment** = E

EMERGENCY OVERVIEW: Under normal usage or contained spills this material does not pose a significant emergency risk. This material is very slippery when wetted with water. Appropriate precautions should be taken to avoid slips and falls.

POTENTIAL HEALTH EFFECTS:

Inhalation:
Inhalation of high concentrations may cause coughing and upper respiratory tract irritation.
Ingestion:
Not expected to be swallowed.
Skin Contact:
No adverse effects expected.
Eye Contact:
No adverse effects expected but dust may cause mechanical irritation.
Chronic Exposure:
No information found.

SECTION 4 FIRST-AID MEASURES

Skin: Wash off with soap and water.
Eye: Flush with tepid water for 15 minutes. If irritation or pain persist, seek medical attention.
Inhalation: Remove person to fresh air. Seek medical attention if shortness of breath or irritation persists.
Ingestion: Could result in intestinal blockage. If large amounts are swallowed seek medical attention.
Notes to Physician:. Mixture is orally non-toxic. See Section 11 for additional toxicological data.

SECTION 5 : FIRE FIGHTING MEASURES

Flashpoint:	Not applicable
Upper Explosive Limit:	Not applicable
Lower Explosive Limit:	Not applicable
Autoignition Temperature:	Not applicable
Thin-film Ignition Temperature:	Not applicable
Known or anticipated hazardous products of combustion:	None
Basic fire fighting guidance:	Not applicable
Extinguishing media:	Not applicable

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Wet down large spills with water mist to avoid generating excessive dust levels. Caution: This material is very slippery when wet. Appropriate precautions should be taken avoid slips and falls.
Clean-up procedures and equipment: Use of a dustless vacuum system or shoveling. Flushing with water is also an acceptable method. Avoid dry sweeping or other methods that may generate high dust concentrations. Wear NIOSH approved dust respirator.

SECTION 7: HANDLING AND STORAGE

Handling: Adequate ventilation is necessary in handling areas to prevent excessive airborne dust.
Storage: Store in closed containers in a dry area.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:
Provide general or local ventilation adequate to maintain airborne levels below occupational exposure limits.

Personal Protection Equipment:

Eye/face: Use safety glasses or goggles.
Skin: None
Respiratory: Use a NIOSH approved, air purifying dust respirator if dust levels are above exposure limits.
Half-masks are usually sufficient for normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: granules
Odor: None
Physical State: solid
pH: 8.0 - 9.0
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable
Boiling Point: Not Applicable
Melting Point: Not Applicable
Solubility in Water: Negligible
Specific Gravity: 5-10 g/cm^3

SECTION 10: STABILITY AND REACTIVITY

Incompatibilities: None
Conditions to avoid: Not applicable
Stability: This material is stable under normal storage and handling conditions.
Hazardous Polymerization: Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

Over-exposure to Crystalline Silica (long contact without protection) can cause lung silicosis, a progressive lung disease in humans. Health affects from exposure to Crystalline Silica occur only when it is inhaled.

Inhalation Effects: Crystalline Silica has been shown to cause silicosis and lung cancer. Crystalline Silica only causes these conditions when inhaled.
Skin Contact: Prolonged skin contact may lead to drying or cracking of the skin due to H_2O absorption properties of the clay.
Eye Contact: As with any dust, will be irritating to the eyes due to physical scratching.
Medical Conditions Aggravated: Respiratory disorders

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in a manner in accordance with local and federal regulations.
This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: TRANSPORT INFORMATION

This material is not regulated by the Department of Transportation