



M & M Inter Company limited

บริษัท เอ็มแอนด์เอ็ม อินเตอร์ จำกัด

25/7 หมู่ที่ 1 ตำบลคลองโยง อำเภอพุทธมณฑล จังหวัดนครปฐม 73170

25/7 Moo 1 Khlongyong, Phutthamonthon, Nakornpathom 73170

Tel. 034-246247-50 Fax.034-246251

Email: info@mmintergroup.com Website: www.mmintergroup.com

MATERIAL SAFETY DATA SHEET

1. Identification of the manufacturer

Product	: Bentonite
Size	: -
Uses of Goods	: Construction Applications
Thailand Distributor	: M&M Inter Co.,Ltd. 25/7 Moo 1 Khlongyong, Phutthamonthon, Nakornpathom 73170

2. Chemical Composition(%)

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200

Composition comments	: Bentonite contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 6%. Occupational Exposure Limits for impurities are listed in Section 8.
-----------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3. Physical and Chemical Properties

Form	: Powder
Colour	: Various
Oder	: Not available
Melting Point	: Not applicable
Flash point	: Not flammable
Ignition temperature	: Not applicable
Bulk density	: 0.75#0.15
Solubility in water	: Negligible
pH value	: 8-11



M & M Inter Company limited

บริษัท เอ็มแอนด์เอ็ม อินเตอร์ จำกัด

25/7 หมู่ที่ 1 ตำบลคลองโยง อำเภอพุทธมณฑล จังหวัดนครปฐม 73170

25/7 Moo 1 Khlongyong, Phutthamonthon, Nakornpathom 73170

Tel. 034-246247-50 Fax.034-246251

Email: info@mmintergroup.com Website: www.mmintergroup.com

4. First Aid Measures

Inhalation	: If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
Ingestion	: No significant adverse effects are expected upon ingestion of the product.
Eye contact	: Flush eyes immediately with large amounts of water. Get medical attention if irritation develops or persists.
Skin contact	: No special measures required. Get medical attention if irritation develops or persists.
Notes to physician	: Provide general supportive measures and treat symptomatically.
General advice	: If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	: The product is not flammable. This material will not burn.
Extinguishing media	: Dry chemical, CO ₂ , water spray or regular foam. Use any media suitable for the surrounding fires.
Firefighting equipment	: Material can be slippery when wet.
Hazardous combustion	: None known.



M & M Inter Company limited

บริษัท เอ็มแอนด์เอ็ม อินเตอร์ จำกัด

25/7 หมู่ที่ 1 ตำบลคลองโยง อำเภอพุทธมณฑล จังหวัดนครปฐม 73170

25/7 Moo 1 Khlongyong, Phutthamonthon, Nakornpathom 73170

Tel. 034-246247-50 Fax.034-246251

Email: info@mmintergroup.com Website: www.mmintergroup.com

6. Health Hazard Data

Routes of exposure	: Inhalation. Eye contact.
Eyes	: Dust or powder may irritate eye tissue. Symptoms include itching, burning, redness and tearing.
Skin	: Non-irritating to the skin. Not expected to be a primary skin irritant.
Inhalation	: Inhalation of dusts may cause respiratory irritation. Repeated or prolonged inhalation may cause toxic effects. For additional information on inhalation hazards, see Section 11 of this safety data sheet.
Ingestion	: No significant adverse effects are expected upon ingestion of the product.
Target organs	: Lungs.
Chronic effects	: This product has the potential for generation of respirable dust during handling and use. Dust may contain respirable crystalline silica. Overexposure to dust may result in pneumoconiosis, a respiratory disease caused by inhalation of mineral dust, which can lead to fibrotic changes to the lung tissue, or silicosis, a respiratory disease caused by inhalation of silica dust, which can lead to inflammation and fibrosis of the lung tissue.

7. Accidental release measures

Personal precautions	: Material can be slippery when wet. Forms smooth, slippery surfaces on floors, posing an accident risk. Wear a dust mask if dust is generated above exposure limits.
Environmental	: No special environmental precautions required.
Cleaning up methods	: Avoid the generation of dusts during clean-up. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Reduce airborne dust and prevent scattering by moistening with water

8. Handling and Storage

Handling	: Material can be slippery when wet. Forms smooth, slippery surfaces on floors, posing an accident risk.
Storage	: Guard against dust accumulation of this material. No special storage conditions required. No special restrictions on storage with other products.



M & M Inter Company limited

บริษัท เอ็มแอนด์เอ็ม อินเตอร์ จำกัด

25/7 หมู่ที่ 1 ตำบลคลองโยง อำเภอพุทธมณฑล จังหวัดนครปฐม 73170

25/7 Moo 1 Khlongyong, Phutthamonthon, Nakornpathom 73170

Tel. 034-246247-50 Fax.034-246251

Email: info@mmintergroup.com Website: www.mmintergroup.com

9. personal protection

Hygiene Measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Eye Protection	: Wear safety glasses with side shields. Do not wear contact lenses where this product is used.
Skin and Body Protection	: No special protective equipment required.
Respiratory Protection	: Use a particulate filter respirator for particulate concentrations exceeding the Occupational exposure Limit.
Considerations	: Eye wash fountain is recommended. Use good industrial hygiene practices in handling this material.

10. Chemical stability and reactivity

Chemical stability	: Stable at normal conditions
Condition to avoid	: None known
Incompatible materials	: None known
Hazard decomposition	: None known
Possibility of hazardous	: will not occur

11. Exposure control

Information on the system design.	: No special measures required.
Ventilation	: Locate exhaust where necessary to maintain exposure level to OSHA permissible limits.

12. Toxicological Information

Acute effects	: Mild irritant to eyes (according to the modified Kay & Calandra criteria).
Chronic effects	: In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that “carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.” (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol.68, IARC, Lyon, France.)



M & M Inter Company limited

บริษัท เอ็มแอนด์เอ็ม อินเตอร์ จำกัด

25/7 หมู่ที่ 1 ตำบลคลองโยง อำเภอพุทธมณฑล จังหวัดนครปฐม 73170

25/7 Moo 1 Khlongyong, Phutthamonthon, Nakornpathom 73170

Tel. 034-246247-50 Fax.034-246251

Email: info@mmintergroup.com Website: www.mmintergroup.com

13. Ecological Information

Ecotoxicity	: This product has no known eco-toxicological effects. This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
Environmental effects	: Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
Persistence and Degradability	: Not available.

14. Disposal Considerations

Dispose in accordance with all applicable regulations. Material should be recycled if possible.

15. Transport Information

DOT	: Not regulated as dangerous goods
IATA	: Not regulated as dangerous goods
IMDG	: Not regulated as dangerous goods

16. Other information

Equipment installation	: Ventilated area
------------------------	-------------------