TURAB INC (M) SDN. BHD.

Co. No.(836597-P)

Material Safety Data Sheet

Date of Preparation: 01/10/2020

Date of Revision: 01/01/2026

SECTION 1
IDENTIFICATION OF MATERIAL AND SUPPLIER INFO

Product name	:	Natural Calcium Bentonite – Unactivated
Chemical identity	:	Natural bentonite clay, predominantly montmorillonite.
CAS No.	:	1302-78-9 (bentonite)
Country of Origin	:	Pakistan
Name of Supplier	:	Turab Inc (M) Sdn. Bhd.
Address	:	10-A, Jalan Laxamana 11, Taman Mewah Jaya 3, 41200, Klang Selangor D.E. Malaysia.
Contact Person	;	Mr. Zulfiqar Ali Khan
Emergency Contact Nos.	:	+603-5166 8269 Fax: +603 51668828 / +1 334 460 5845
E-Mail	:	turabinc@gmail.com
Website	:	**www.turabworld.com**
HS Code	:	**2508.10.00.00**
Intended use	:	Natural calcium bentonite supplied as an unactivated mineral raw material for subsequent industrial activation and processing into bleaching earth for the palm oil refining sector in Malaysia.

SECTION 2.
HAZARD IDENTIFICATION

Main occupational concern: airborne mineral dust during crushing, grinding, loading and handling. Dust may irritate the eyes and respiratory tract. Natural deposits may contain variable crystalline silica; actual content should be established by laboratory analysis. Product is non-flammable under normal conditions.

SECTION 3.
COMPOSITION / INFORMATION ON INGREDIENTS

Natural calcium bentonite clay; major mineral montmorillonite. Other naturally occurring minerals may include quartz, feldspar, calcite and other clay minerals depending on the deposit.

SECTTION 4.
FIRST-AID MEASURES

Inhalation: Move to fresh air; obtain medical attention if symptoms persist. Eyes: Rinse with clean water for several minutes. Skin: Wash with soap and water. Ingestion: Rinse mouth; seek medical advice if unwell.

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SECTION 5.
FIRE-FIGHTING MEASURES

Inorganic mineral and not expected to burn. Use extinguishing media appropriate for the surrounding fire.

SECTION 6.
ACCIDENTAL RELEASE

Avoid generating dust. Use suitable respiratory and eye protection. Collect mechanically using dust-minimizing methods; industrial vacuuming or damp cleaning is preferred to dry sweeping.

SECTION 7.
HANDLING AND STORAGE

Minimize dust formation and provide ventilation/dust extraction. Avoid breathing dust. Store dry, covered and protected from contamination. Keep bags closed.

SECTION 8.
EXPOSURE CONTROLS / PPE

Use local exhaust ventilation at dust-generating points. Use an appropriate particulate respirator where required, safety glasses/dust goggles, and gloves for prolonged handling. Assess exposure against applicable Malaysian limits, particularly for respirable crystalline silica.

SECTION 9.
PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Natural clay; colour varies with deposit.
Physical state: Solid; supplied as lumps, crushed material or powder according to specification.
Odour: Earthy/odourless.
Water solubility: Insoluble; disperses/swells to varying degrees.
Flammability: Non-flammable.

SECTION 10.
STABILITY AND REACTIVITY
Stable under normal conditions. No hazardous reaction expected. Avoid uncontrolled dust generation and excessive moisture where a dry product is required. The customer's later acid activation is a separate downstream manufacturing process and is not performed on this imported material.

SECTION 11.
TOXICOLOGICAL INFORMATION

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Low acute toxicity generally expected for natural bentonite. Mineral dust may irritate the respiratory tract and eyes. Chronic occupational risk assessment must consider actual respirable crystalline silica content and exposure level.

SECTION 12.
ECOLOGICAL INFORMATION

Natural inorganic mineral. Large uncontrolled releases may increase suspended solids or sedimentation. Avoid uncontrolled discharge to waterways.

SECTION 13.
DISPOSAL

Dispose of material and packaging in accordance with applicable local requirements. Avoid generating dust during disposal.

SECTION 14.
TRANSPORT INFORMATION
UN number: Not assigned / not regulated as dangerous goods under normal conditions, subject to final classification.
Transport class: Not assigned.
Packing group: Not assigned.

SECTION 15.
REGULATORY / CUSTOMS INFORMATION

The product is supplied as natural, unactivated and unmodified calcium bentonite. It is NOT acid-activated bleaching earth and should not be described as activated material at import.
Indicative HS classification: 2508.10 – Bentonite.

SECTION 16.
OTHER INFORMATION

Supplier declaration: The material covered by this MSDS is supplied in its natural, unactivated form. It has not undergone acid activation, chemical bleaching treatment or other chemical modification before export.

For Turab Inc (M) Sdn Bhd



Zulfiqar Ali Khan

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