



SAFETY DATA SHEET

Zhejiang Fenghong New Material Co.,Ltd.
 Tangpu Developing Zone, Anji County,
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 TEL: 86-571-63806068 63711876 Fax: +86-571-63751569

Emergency Telephone No.
 +86-571-63665132,63806098
 Email: Bentonite@zjfenghong.com

PRODUCT NAME: Bentonite (SM&FH Series)	Issue Date: Mar. 20th, 2020
Product Use Description: Rheological Additive	Supersedes Date:

2. PRODUCT COMPOSITION

Product Classification:		
Substance name	C.A.S. No.	Percent
Montmorillonite	1318-93-0	65-98%

3. HAZARD IDENTIFICATION

Warning: Long term exposure to airborne dust concentrations above the recommended exposure guide lines may cause lung damage.	Protective Measures: Avoid breathing dust. Use in well ventilated areas.
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4. FIRST AID MEASURES

Eye Contact:	Rinse immediately with water for at least 15 minutes.
Skin Contact:	Wash with soap and water.
Ingestion:	Provide symptomatic treatment and seek medical attention.
Inhalation:	Remove person to fresh air. If breathing is difficult, provide oxygen and seek medical attention.
Other:	None known.

5. FIRE FIGHTING MEASURES

Flash Point: N.A.	Method: N.A.	LEL: N.A.	UEL: N.A.
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EXTINGUISHING MEDIA/FIRE FIGHTING PROCEDURES

Water fog, foam, dry chemical, or carbon dioxide.

UNUSUAL HAZARDS

Precautions for flammable organic dusts should be provided. Avoid high dust concentrations. Assure all equipment is properly grounded to prevent static discharges, and vented to provide for potential energy release.



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6. ACCIDENTAL RELEASE MEASURES

RELEASE RESPONSE

Caution: May cause a slippery condition when wet. Sweep/shovel material into a drum for re-use or disposal.

PERSONAL PROTECTIVE EQUIPMENT

Wear an air-purifying dust respirator and chemical resistant gloves. Wear eye protection to prevent dust from entering the eyes.

7. HANDLING AND STORAGE

HANDLING

Precautions for flammable organic dusts should be provided. Avoid high dust concentrations. Assure all equipment is properly grounded to prevent static discharges, and vented to provide for potential energy release. Control high dust concentrations while handling through the use of ventilation or other suitable controls.

STORAGE

No special conditions required.

8. EXPOSURE CONTROL INFORMATION

OCCUPATIONAL EXPOSURE LIMITS

	ACGIH - TLV 8 hr. TWA	OSHA - PEL 8 hr. TWA
Dusts, not otherwise classified	10 mg/m ³ , Inhalable fraction 3.0 mg /m ³ , respirable dust fraction.	10 mg/m ³ , total 5.0 mg/m ³ , respirable

ENGINEERING CONTROL MEASURES

Use local exhaust ventilation if airborne concentrations are above recommended exposure limits.

PERSONAL PROTECTION EQUIPMENT

Respiratory:	Use an air-purifying dust respirator if airborne concentration levels are above exposure limits.
Hand:	Use chemical resistant gloves.
Eye:	Use safety glasses/goggles.
Other:	None.

OTHER CONTROL MEASURES

Use good hygiene practices. Wash hands and face before eating or drinking.



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9. PROPERTIES

Appearance: Off white/Light cream/Pale yellow fine power	Odor: None	pH: 6-11
Boiling Range: N.A.	Melting Range: N.A.	Specific Gravity: 0.15-0.50
Solubility: Insoluble	Vapor Density: N.A.	Vapor Pressure: N.A.
%Volatile(105): 6-15.	Freezing Point: N.A.	Density at 20°C: No data

10. REACTIVITY INFORMATION

Conditions to Avoid:	None known.
Materials to Avoid:	None known.
Hazardous Decomposition:	In case of fire, possible emission of carbon monoxide, carbon dioxide, organic chlorides and ammonia.
Stability:	Stable.

11. HEALTH/TOXICITY INFORMATION

HEALTH HAZARDS

Effects of Acute Exposure

Inhalation: May cause slight irritation.
 Skin Contact: Not expected to cause irritation.
 Skin Absorption: Can not be absorbed through the skin.
 Eye Contact: May produce slight (mechanical) irritation.
 Ingestion: Not expected to produce adverse effects.

Effects of Chronic Over Exposure

As with any dust, long term exposure to concentrations above recommended exposure guidelines may overload the lung clearance mechanism and cause adverse lung effects and shortness of breath.

Listed as a suspected carcinogen on: IARC: No NTP: No OSHA: No
 Medical Conditions Aggravated: Respiratory disorders.

TOXICITY INFORMATION

Based on a similar, non-cosmetic grade product:

Oral LD₅₀ (Rat): 20,000 mg/kg;
 Repeated Insult Patch Test (Humans):
 Not a primary irritant, fatiguing agent or sensitizer;
 Human Eye Test: Mild Mechanical Irritation;
 Primary Skin Irritation (Rabbit): Non-Irritating;
 Primary Eye Irritation (Rabbit): Non-Irritating;
 Acute Inhalation Toxicity: No Toxic Manifestations;
 Ames Test: Not Mutagenic



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ENVIRONMENTAL/DISPOSAL CONSIDERATIONS

12. ENVIRONMENTAL HAZARDS

Based on a similar, non-cosmetic grade product:
 Acute LC₅₀ (Corophium Volutator): No Acute Effect; EC₅₀ (Skeletonema Costatum): >10,000
 LC₅₀ (Acartia Tonsa): >30,000 Biodegradability: Insignificant Degradability

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner in accordance with local and federal regulations. Use a licensed waste handler.

14. TRANSPORTATION

Shipping Name: Not regulated.		Label: N.A.
Hazard Class: N.A.	Packing Group: N.A.	UN#: N.A

15. REGULATORY INFORMATION

CHEMICAL INVENTORIES In compliance denotes that all components are on the inventory or exempt.

U.S. TSCA Inventory:	In Compliance	Canadian DSL:	In Compliance
European Inventory:	On EINECS	Japanese Inventory:	On ENCS
Australia:	In Compliance	China:	On IECSC

SARA 313 Information

None known.

OTHER REGULATORY INFORMATION

Japanese Cosmetic Inventory: In Compliance

16. OTHER INFORMATION

H.M.I.S. CODES	Health: 1	Flammability: 0	Reactivity: 0
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