



MATERIAL SAFETY DATA SHEET

Trade Name: Bentonite - speckle
Date Prepared: 06th Mar 2020

SECTION I: CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION

- Product name: Bentonite - speckle

- Product use: General purpose industrial chemical for use in a wide range of applications: Detergents

- Manufacturer's information:

Duc Minh Company Limited

Khai Quang Industrial Zone, Vinh Yen Town, Vinh Phuc Province, Vietnam

Tel: +84 211 3847 187

Fax: +84 211 3847 188

- Subsidiary's information:

Viet Huong Company Limited

Lot A-3F-CN, My Phuoc 3 Industrial Zone, Ben Cat District, Binh Duong Province, Vietnam

Tel: +84 650 355 3269

Fax: +84 650 355 3268

- In case of emergency call: 0904 245 212

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical and Common Name	CAS Registry Number	Wt %
Bentonite	1302-78-9	70
Color additives (Vibracolor Blue PBL 15-L, Vibracolor RED PRE 5-L)	68891-38-3, 55406-53-6	0.2
Sodium sunfate	7757 - 82 - 6	18.5

SECTION III: HAZARDS IDENTIFICATION

NFPA Classification	Health Hazard: 2 Fire Hazard: 0 Reactive Hazard: 1 Special Hazard :
Primary Routes of Entry	Ingestion, Eyes, Inhalation, Skin Absorption
Inhalation	Prolonged inhalation of product dusts may irritate nose, throat, and lungs.
Skin Contact	Prolonged contact may cause skin irritation (red, dry, cracked skin).
Ingestion	Although low in toxicity, ingestion may cause nausea, vomiting, stomach ache, and diarrhea.
Eye Contact	causes Irritating to the eyes, redness, pain.

SECTION IV: FIRST AID MEASURES

Eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION V: FIRE FIGHTING MEASURES

Flammable properties			
Flash Pont	Not Applicable	LEL (%)	Not Applicable
Fire Pont	Not Applicable	UEL (%)	Not Applicable
FIRE AND EXPLOSION HAZARDS	Non-flammable.		
EXTINGUISHING MEDIA:		In case of fire in close proximity, all means of extinguishing are acceptable.	
FIRE FIGHTING INSTRUCTIONS:		Use Protective Equipment as applicable to the combustion products associated with the fire.	

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal precaution	Refer to Section 8 "Exposure Controls / Personal Protection"
Methods for containment /Methods for cleaning up	<ul style="list-style-type: none"> Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation and fish. This product, if spilled, can be recovered and re-used if contamination does not present a problem. Vacuum or sweep up the material. If the spilled product is unusable due to contamination, nations environmental agencies for acceptable disposal procedures and locations.

SECTION VII: HANDLING AND STORAGE

Handling:

- Use air conveying / mechanical systems for bulk transfer to storage.
- For manual handling of bulk transfer use mechanical ventilation to remove airborne dust from railcar, ship or truck.
- Keep material out of lakes, streams, ponds and sewer drains. Avoid eye contact or prolonged skin contact. Avoid breathing dusts.
- When dissolving, add to water cautiously and with stirring; solutions can get hot. Use good personal hygiene and housekeeping.

Storage:

- Store in bags of 25kg / bag or 50kg / bag
- Store in a cool dry area, away from acids.
- Prolonged storage may cause product to increase humidity from atmospheric moisture.

SECTION VIII: EXPOSURE CONTRALS/PERSONAL PROTECTION

Eye protection	<ul style="list-style-type: none"> For dusty or misty conditions, or when handling solutions where there is reasonable probability of eye contact, wear chemical safety goggles and hardhat. Under these conditions do not wear contact lenses. Safety glasses with side shields are recommended.
Skin and body protection	Wear long-sleeve shirt and trousers, and impervious gloves for routine product use. Cotton gloves are sufficient for dry product; wear impervious (e.g., rubber, neoprene, etc.) gloves when handling solutions.
Respiratory protection	Whenever dust in the worker's breathing zone cannot be controlled with ventilation or other engineering means, workers should wear respirators or dust masks to against airborne dust.
Exposure limits	No information

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	granular solid
Color	depending on the added color additive (eg blue, pink, green .,.)
Odor	Odorless
Safety Data	

Flash Point:	Not Applicable	Freezing point	No information
Lower explosive limit	Not Applicable	Boiling point/boiling range	No information
Upper Explosive limit	Not applicable	Vapor pressure	No information
Auto ignition temperature	Not Applicable	Bulk density (kg/m ³)	750 - 950
Molecular Weight	Not Applicable	Water solubility	Insoluble in water
pH	9 - 11	Evaporation rate	Not Applicable

SECTION X: STABILITY AND REACTIVITY

Conditions to avoid	Contract with acids will release carbon dioxide, heat. Contract with lime dust in the presence of moisture can produce corrosive sodium hydroxide.
Materials to avoid	No information
Hazardous decomposition products	No information
Hazardous polymerization	Will not occur

SECTION XI: TOXICOLOGICAL INFORMATION

Target Organ	Respiratory system	IDLH	-----
LD50 (oral / rats)	No information	LC50 (inhalation / rats)	No information

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity	No information
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SECTION XIII: DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with national and local environmental control regulations

SECTION XIV: TRANSPORT INFORMATION

UN number : Not applicable
IATA : Non-Hazardous for Air Transport.

SECTION XV: REGULATORY INFORMATION

Comply with the regulations on the content and labeling of goods.

SECTION XVI: OTHER INFORMATION

Supersedes revision of: 06th Mar 2020

Prepared by: Duc Minh Company Limited

Notice:

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DUC MINH COMPANY LIMITED