

Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

ORGANOCLAY

Version 1.0

Issue date: 21/02/2017

Revision date: 21/02/2017

SDS Record Number: CSSS-TCO-010-121224

1. Chemical Product and Company Identification

1.1 Product identifier

Chemical name: ORGANOCLAY

Additional identification: Not available

Identification of the product: See section 3

1.2 Relevant identified uses of the substance and uses advised against

1.2.1 Identified uses: As thickening, anti-settling and anti-sagging rheological additives, Organic bentonite is widely used in blending paint, floor paint, putty gray, primer, anticorrosive paint, sealant and grease, etc.

1.2.2 Uses advised against: Not available

1.3 Details of the supplier of the safety data sheet

Supplier(Manufacturer): Zhejiang Hongyu New Materials Co.,Ltd.

Address: Economic&Development Zone, Si'an Town, Changxing County, Huzhou City,Zhejiang Province,China

Contact person(E-mail): dsx8@hybentonite.com

Telephone: 13735128117

Fax: -

1.4 Emergency telephone Number(24h): 13735128117

2. Hazards Identification

Emergency Overview: Light yellow, gray powder. Harmful if swallowed. Harmful in contact with skin.

2.1 Classification of the substance/mixture

2.1.1 GHS Classification:

Physical hazards	Not classified	
Health hazards	Acute toxicity-oral	Category 4
	Acute toxicity-dermal	Category 4
Environmental hazards	Not classified	

2.2 Label elements

Symbols:



Signal Word(S): Warning

Hazard Statement: Harmful if swallowed.
Harmful in contact with skin.

Precautionary statement

Prevention: Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing.

Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
Call a POISON CENTER/doctor if you feel unwell.

	Rinse mouth.
	Take off contaminated clothing and wash it before reuse.
Storage:	Not applicable.
Disposal:	Dispose of contents/container in according with local regulation.
Physical and chemical hazards:	During fire, gases hazardous to health may be formed.
Health Hazards:	Harmful if swallowed. Harmful in contact with skin.
Environmental hazards:	The product has no obvious effect to the water environment

3. Composition Information on Ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	CAS No.	EC No.	Concentration (%)
Mortmorillonite.	1318-93-0	215-288-5	60~76%
Quaternary ammonium compounds, (hydrogenated tallow alkyl)trimethyl, chlorides	61788-78-1/68002-62-0	263-005-9/268-075-4	20~33%
Water	7732-18-5	231-791-2	0.8~5%

4. First Aid Measures

4.1 Description of first aid measures

In case of inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
In case of skin contact:	Wash off with soap and water. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
In case of eyes contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
In case of ingestion:	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed:

Harmful if swallowed. Harmful in contact with skin.

4.3 To protect playing rescuer advice and the special hints to the doctor:

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.4 Indication of any immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically.

5. Fire-fighting Measures

5.1 Suitable extinguishing media:	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media:	Not available.
5.2 Special hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
5.3 Special fire fighting methods and special protective actions for fire-fighters:	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2 Environmental precautions:	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.
6.3 Methods and materials for containment and cleaning up:	Sweep into a suitable container and dispose of in accordance with local regulations. Avoid inhalation of dust.
6.4 Precautions to prevent the occurrence of secondary hazards:	Clean up spills immediately to prevent leaks again.

7. Handling and Storage

7.1 Safe handling

Technical measures:	No specific recommendations.
Local and general ventilation:	Provide adequate ventilation.
Precautions:	Do not taste or swallow. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
Safe handling advice:	Use personal protection recommended in Section 8 of the SDS.

7.2 Storage

Technical measures:	No specific recommendations.
Suitable storage conditions:	Store in original tightly closed container. Store away from incompatible materials.
Incompatible materials:	Oxidizing agents.
Safe packaging materials:	Keep it in the original container.

8. Exposure Controls / Personal Protection

8.1 Control parameters

8.1.1 Occupational exposure limits:	Not available.
8.1.2 Engineering controls:	No specific recommendations.

8.2 Personal protection equipment

Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection:	Wear appropriate chemical resistant gloves.
Eye protection:	Wear safety glasses with side shields (or goggles).
Skin and body protection:	Wear appropriate chemical resistant clothing.
Hygiene measures:	Do not get in eyes. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Solid
Form:	Powder
Color:	Light yellow, gray.
Odor:	Odorless.
pH:	Not available
Melting point/freezing point:	62 °C (CAS#61788-78-1)
Boiling point, initial boiling point, and	127 °C (CAS#61788-78-1)

boiling range:	
Flash point:	Not available
Auto-ignition temperature:	Not available
Flammability limit - lower (%):	Not available
Flammability limit - upper (%):	Not available
Explosive limit - lower (%):	Not available
Explosive limit - upper (%):	Not available
Vapor pressure (20°C):	< 0 hPa (CAS#61788-78-1)
Vapor density:	Not available
Density:	0.90 g/cm ³ (CAS#61788-78-1)
Solubility:	Not available
Partition coefficient (n-octanol/water):	3.71 (25°C)(CAS#61788-78-1)
Decomposition temperature:	Not available
Surface tension:	33 mN/m (25°C)(CAS#61788-78-1)

9.2 Other data

Solubility (other):	Not available
Odour threshold:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Viscosity:	Not available

10. Stability and Reactivity

10.1 Stability:	Material is stable under normal conditions.
10.2 Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
10.3 Conditions to avoid:	Incompatible materials.
10.4 Incompatible materials:	Oxidizing agents.
10.5 Hazardous decomposition products:	Carbon oxides.

11. Toxicological Information

11.1 Toxicokinetics, metabolism and distribution:	Not available.
11.2 Information on toxicological effects	
Acute toxicity:	Quaternary ammonium compounds, (hydrogenated tallow alkyl)trimethyl, chlorides (CAS 61788-78-1)
LD50(Oral, Rat):	1260 mg/kg
LD50(Dermal, Rabbit):	1600 mg/kg
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified

Aspiration hazard: Not classified

12. Ecological Information

12.1 Toxicity:	
Fish	Not available
Daphnia	Not available
Algae	Not available
12.2 Persistence and degradability:	Not available
12.3 Bioaccumulative potential:	Not available
12.4 Mobility in soil:	Not available
12.5 Other hazardous effects:	Not available

13. Disposal Considerations

13.1 Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
13.2 Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
13.3 Local disposal regulations	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport Information

UN-Number:	Not regulated
UN Proper shipping name:	Not regulated
Transport hazard Class:	Not regulated
Packaging group:	Not regulated
Environmental hazards(Yes/No):	No
Special precautions for user:	See section 2.2

Transport special precautions:

- Grounding chains should be equipped with tank or car during transportation, hole plate can be set in the tank to prevent static electricity generated by shaking;
- Exhaust pipe of the vehicle which transports this product shall be equipped with fireproofing equipment, Do not handle with the machinery or tools which may produce spark easily;
- Do not package or transport with oxidant, food chemicals or others;
- Prevent from sunlight exposure, rain and heat during transportation, in summer, best to transport in the morning or evening;
- Keep away from fire, heat source and high temperature when stops on the way;
- Follow the route as prescribed during highway transportation, do not stay in residential areas and densely populated area;
- Prohibit humping in railway transportation;
- Transport vehicles should be equipped with corresponding fire equipment and spill contingency processing equipment.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations names	information	
Regulations on the safety administration of dangerous chemicals	Catalog of Hazardous Chemicals	Not listed
	List of Hazardous Chemicals for Priority Management	Not listed
Regulations on the environmental management of first import of toxic chemicals	List of Toxic Chemicals Restricted to be Imported/Exported	Not listed
Measures for environmental management of new chemical substances	Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)	Listed

15.2 Note for downstream users:

Disposal of products/containers according to local regulations.

16. Other Information

16.1 Indication of changes

Version 1.0 Amended by GB/T16483-2008 and GB/T17519-2013.

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

16.5 Abbreviations:

ADR: 《European Agreement Concerning the International Carriage of Dangerous Goods by Road》

IMDG: International Maritime Dangerous Goods

EINECS: European Inventory of Existing commercial Chemical Substances

IATA: International Air Transport Association

ICAO-TI: International Civil Aviation Organization 《The International Civil Aviation Covenant》 (ICAO)

CAS: Chemical Abstracts Service

LC50: Lethal Concentration 50

EC50: Concentration for 50% of maximal effect

LD50: Lethal dose 50%

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail (European law)

This material safety data sheet is compiled based on our best understanding on the safety and correct use of this product. However, we could guarantee neither its timeliness nor the implied or expressed information. For the above contents, our company would not take any liability due to its usage. Users shall identify the best information on each specific use by their survey. Each user should read this specification carefully before use it. If you need further information for a correct assessment, please contact us.

Author: Hangzhou CIRS Co., Limited Website: www.cirs-group.com Tel: 0571-87206555 Email: info@cirs-group.com