

Safety Data Sheet

According to Regulation (EC) No 1907/2006

Alkyl Quaternary Ammonium Bentonite

Version 1.2

Printing date: 27/12/2010

Revision date: 05/09/2014

SDS Record Number: CSSS-TCO-010-100375

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Alkyl Quaternary Ammonium Bentonite
Additional identification: Alkyl Quaternary Ammonium Bentonite
Identification of the product: CAS# 68953-58-2; EC# 273-219-4
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Used as Rheological additive.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer): Zhejiang Camp-Shinning New Material Co., Ltd.
Address: Room No.401, Building Boutique, No.1 Jingzhou Road, Hangzhou, China.
Contact person(E-mail): campshinning@gmail.com
Telephone: +86-571-86032617
Fax: +86-571-23659717

1.4 Emergency telephone Number:

+353 41 980 6916 Only available during office hours (8:30a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

For full text of H- phrases: see section 2.2.

67/548/EEC	
Hazards characteristics	R-Phrases
N/A	N/A

For full text of R- phrases: see section 16.

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.

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Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.
Precautionary statement: Not applicable.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Alkyl Quaternary Ammonium Bentonite	N/A	68953-58-2	273-219-4	≥99%
Quartz(Crystalline silica)	N/A	14808-60-7	238-878-4	≤0.5%

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove person to fresh air, if breathing is difficult, provide oxygen and seek medical attention.

4.1.2 In case of skin contact:

Wash with soap and water.

4.1.3 In case of eyes contact:

Rinse immediately with water for at least 15 minutes.

4.1.4 In case of ingestion:

Provide symptomatic treatment and seek medical attention.

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

The product is not classified as harmful to human health effect.

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

Symptomatic treatment.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water fog, foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

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

5.3 Special fire fighting methods and special protective actions for fire-fighters:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Wear an air-purifying dust respirator and chemical gloves. Wear eye protection to prevent dust from entering the eyes.

6.1.2 For emergency responders: Wear an air-purifying dust respirator and chemical gloves. Wear eye protection to prevent dust from entering the eyes. Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental Precautions:

Avoid discharging into drainage/sewer system or directly into the aquatic environment. Keeping away from drains, surface and ground-water and soil.

6.3 Methods for Containment and Cleaning up:

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

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

6.5 Additional information:

Not applicable.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Precaution 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.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

ACGIH-TLV 8hr. TWA: 10 mg/m³, inhalable fraction; OSHA-PEL 8 hr. TWA Dusts: 10 mg/m³ classified.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

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

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:

Use safety glasses/gloves..

Hand protection:

Use chemical resistant goggles.

Body protection:

Protective garments not normally required.

Respiratory protection:

Use an air-purifying dust respirator if airborne concentration levels are above exposure limits.

Thermal hazards:	Wear suitable protective clothing to prevent heat.
8.2.3 Environmental exposure controls:	Avoid discharge into the environment. This material and its container must be disposed of as hazardous waste. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Power
Colour:	Light Cream
Odour:	Odourless
Odour threshold:	Not available
pH:	4-7
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Non-flammable
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	1.65-1.75
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Insoluble in water.
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity: The substance is stable under normal storage and handling conditions.

10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials, moisture.
10.5 Incompatible materials:	Strong oxidizing agents, strong acids.
10.6 Hazardous decomposition products:	In case of fire, possible emission of carbon monoxide, carbon dioxide, organic chlorides and ammonia.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

11.2 Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): 20000 mg/kg

LD50(Dermal, Rabbit): Not available

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

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
LC50	>30000mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	>10000mg/l	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Biodegradability: Insignificant Degradability

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: Dispose of in accordance with local regulations, Use licensed waste Handler.

13.2 Product / Packaging disposal: If empty container retains product residues, all label precautions must be observed.
Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable

Chemical Safety Assessment has been carried out?

YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.1 Amended by EU No 453/2010

Version 1.2 The EC number of Quartz is modified. Fax and e-mail address are added.

16.2 Relevant R- phrases (number and full text):

Not applicable.

16.3 Training instructions:

Not applicable.

16.4 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.

16.5 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.

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