

CLAYTONE-EM

Product code: 000000000000150498

Version

3.0 SDS_REG_UN

Revision Date:

23.10.2024

Date of last issue: 11.11.2022

Date of first issue: 23.12.2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CLAYTONE-EM

Type of Application (Use) : Rheology Additive

Manufacturer or supplier's details

Company : BYK-Chemie GmbH

Address : Abelstrasse 45
46483 Wesel

Telephone : +49 281 670-23532

Telefax : +49 281 670-23533

E-mail address : GHS.BYK@altana.com

Emergency telephone number : Europe +44 1235 239670
Middle East/Africa +44 1235 239671
Americas +1 215 207 0061
East/South East Asia +65 3158 1074
(Local India: 000 800 100 7479)

2. HAZARDS IDENTIFICATION**GHS Classification**

Carcinogenicity : Category 1A

Specific target organ toxicity - repeated exposure : Category 1 (Lungs)

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer.
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

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P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Chemical nature : Organophilic phyllosilicate

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Quartz (SiO ₂)	14808-60-7	>= 1 - < 3

4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and plenty of water.
If skin irritation persists, call a physician.
Wash contaminated clothing before re-use.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

Most important symptoms : None known.

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and effects, both acute and
delayed

Notes to physician

None known.

: Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water mist
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Dust can form an explosive mixture in air.
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Take measures to prevent the build up of electrostatic charge.
- Hazardous combustion products : Carbon oxides
Nitrogen oxides (NO_x)
- Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapours/dust.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national

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regulations.
Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Quartz (SiO ₂)	14808-60-7	TWA (Respirable fraction)	0,025 mg/m ³ (Silica)	ACGIH

Filter type : Filter type P

Hygiene measures :

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder
Colour : off-white
Odour : odourless
Odour Threshold : Not applicable

pH : 4 - 6 (20 °C)
Concentration: 1 %
Method: Universal pH-value indicator

Melting point/freezing point : Not applicable

Boiling point/boiling range : Not applicable
Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : Combustible Solids

Upper explosion limit : Not applicable

Lower explosion limit : $\geq 0,05$ g/l

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : No data available

Density : 1,6 g/cm³ (20 °C, 1.013 hPa)

Bulk density : No data available

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Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No bioaccumulation is to be expected.

Ignition temperature : 210 °C
Method: Ignition temperature dust layer440 °C
Method: Ignition temperature dust cloud

Decomposition temperature : Not applicable

Viscosity

Viscosity, dynamic : Not applicable

Minimum explosible dust concentration : 50 g/m³

10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable

Incompatible materials : None known.

Hazardous decomposition products : None known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : Remarks: No data available

Skin corrosion/irritation**Product:**

Remarks: No data available

Serious eye damage/eye irritation**Product:**

Remarks: No data available

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Respiratory or skin sensitisation**Product:**Remarks: No data available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No bioaccumulation is to be expected.

Mobility in soil**Product:**

Mobility : Remarks: Bentonite is almost insoluble and thus presents a low mobility in most soils

Other adverse effectsNo data available

13. DISPOSAL CONSIDERATIONS**Disposal methods**Waste from residues : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CodeNot applicable for product as supplied.

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15. REGULATORY INFORMATION

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

Contact manufacturer.

16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.