

## CLAYTONE-AF

Product code: 000000000000110599

Version

4.0 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-AF

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 <sub>2</sub> )	14808-60-7	>= 1 - < 3
Quartz (SiO <sub>2</sub> )	14808-60-7	>= 0,5 - < 1

**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.

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Most important symptoms and effects, both acute and delayed : No information available.  
No information available.  
Notes to physician : Treat symptomatically.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water mist  
Carbon dioxide (CO<sub>2</sub>)  
Unsuitable extinguishing media : High volume water jet  
Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
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 regulations.  
Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

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**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 <sub>2</sub> )	14808-60-7	TWA (Respirable fraction)	0,025 mg/m <sup>3</sup> (Silica)	ACGIH

Filter type : Filter type P

Hand protection

Material : Protective gloves

Hygiene measures :

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**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/ range : Not applicable

Boiling point/boiling range : Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : May form combustible dust concentrations in air.

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/cm<sup>3</sup> (20 °C, 1.013 hPa)

Solubility(ies)

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Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No bioaccumulation is to be expected.
Ignition temperature	:	205 °C Ignition temperature dust layer
		505 °C Ignition temperature dust cloud
Decomposition temperature	:	Not applicable
Viscosity		
Viscosity, dynamic	:	Not applicable
Minimum explosible dust concentration	:	50 g/m <sup>3</sup>
Dust deflagration index (Kst)	:	206 m.b./s
Dust explosion class	:	St2
Minimum ignition energy	:	10 - 30 mJ

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**10. STABILITY AND REACTIVITY**

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable
Incompatible materials	:	Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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

Acute oral toxicity : Remarks: No data available

**Skin corrosion/irritation****Product:**

Remarks: No data available

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### Serious eye damage/eye irritation

**Product:**

Remarks: No data available

### Respiratory or skin sensitisation

**Product:**

Remarks: No data available

### Germ cell mutagenicity

**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

**Product:**

Remarks: No data available

### Reproductive toxicity

**Product:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

### STOT - single exposure

**Product:**

Remarks: No data available

### STOT - repeated exposure

**Product:**

Remarks: No data available

### Repeated dose toxicity

**Product:**

Remarks: No data available

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**Aspiration toxicity**

**Product:**

No data available

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Toxicity to fish :  
Remarks: No data available

Toxicity to daphnia and other :  
aquatic invertebrates : Remarks: No data available

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

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**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

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**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not 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.

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**16. OTHER INFORMATION**

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