

CLAYTONE-1

Product code: 000000000000159730

Version

2.0 SDS_REG_UN

Revision Date:

28.03.2023

Date of last issue: 16.12.2022

Date of first issue: 16.12.2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CLAYTONE-1

Type of Application (Use) : Feed Additive

Manufacturer or supplier's details

Company : BYK USA LLC

Address : South Cherry Street 524
06492 Wallingford

Telephone : +1 203-265-2086

Telefax :

E-mail address : BRIEF.BYK.NAFTA@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 2 (Lungs)**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H350 May cause cancer.
H373 May cause 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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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 : Pure 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.
If breathed in, move person into fresh air.

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 and effects, both acute and : No information available.
No information available.

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delayed
Notes to physician : No information available.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Handle as an industrial chemical.
Keep dust to a minimum to avoid potential formation of explosive air/dust mixture.
Will not explode on mechanical impact.
Do not allow run-off from fire fighting to enter drains or water courses.
- 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.

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.

Use explosion-proof ventilating equipment.
- 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 : 6 - 8 (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) : May form combustible dust concentrations in air.
 Combustible Solids

Upper explosion limit : Not applicable

Lower explosion limit : 85 g/m³

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : No data available

Density : 1,9 g/cm³ (20 °C, 1.013 hPa)

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Bulk density	:	336 - 461 kg/m ³ Pour density
		511 - 698 kg/m ³ Tap density
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	190 °C Ignition temperature dust layer
		510 °C Ignition temperature dust cloud
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	Not applicable
Minimum explosible dust concentration	:	No data available
Dust deflagration index (Kst)	:	147 m.b./s
Dust explosion class	:	St1
Minimum ignition energy	:	3 - 10 mJ with inductivity
		350 mJ without inductivity

10. STABILITY AND REACTIVITY

Conditions to avoid	:	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. Keep away from open flames, hot surfaces and sources of ignition. Exposure to air or moisture over prolonged periods.
Incompatible materials	:	Strong oxidizing agents Acids
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

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

Remarks: No data available

Respiratory or skin sensitisation**Product:**

Remarks: No data available

Repeated dose toxicity**Product:**Remarks: No data available

12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish :
Remarks: No data availableToxicity to daphnia and other :
aquatic invertebrates Remarks: No data available**Persistence and degradability****Product:**Biodegradability : Remarks: No data available

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Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Mobility in soil**Product:**

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

Other adverse effectsNo data available

13. DISPOSAL CONSIDERATIONS**Disposal methods**

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.

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

16. OTHER INFORMATION

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