

OPTIBENT-1008

Product code: 000000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OPTIBENT-1008

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**

Eye irritation : Category 2A

Carcinogenicity : Category 1A

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H319 Causes serious eye irritation.
H350 May cause cancer.

Precautionary statements :

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protec-

OPTIBENT-1008

Product code: 00000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

tion/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P337 + P313 If eye irritation persists: 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 : Mixture

Chemical nature : Modified / activated phyllosilicate

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	>= 3 - < 5
Quartz (SiO ₂)	14808-60-7	>= 0,5 - < 1

4. FIRST AID MEASURESGeneral 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 : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.

OPTIBENT-1008

Product code: 000000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

- 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 delayed : No information available.
No information available.
- Notes to physician : No information available.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water mist
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Material can be slippery when wet.
The product itself does not burn.
- Hazardous combustion products : Carbon oxides
Sulphur oxides
- 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 : Neutralise with acid.
Keep in suitable, closed containers for disposal.

OPTIBENT-1008

Product code: 000000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

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 spillage on floor as the product can become very slippery when wet.

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.

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

Engineering measures : Use explosion-proof ventilating equipment. Maintain air concentrations below occupational exposure standards.

Filter type : Filter type P

Hand protection Material : Protective gloves

Hygiene measures :

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : off-white

Odour : odourless

OPTIBENT-1008

Product code: 00000000000150391

Version
2.0 SDS_REG_UNRevision Date:
17.11.2022Date of last issue: 22.09.2020
Date of first issue: 28.01.2019

Odour Threshold	:	Not applicable
pH	:	10,4 (23 °C) Concentration: 2 % Method: measured
Melting point/range	:	Not applicable
Boiling point/boiling range	:	>= 1.000 °C
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
Upper explosion limit	:	Not applicable
Lower explosion limit	:	500 g/m ³
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	No data available
Density	:	No data available
Bulk density	:	600 - 900 kg/m ³
Solubility(ies)		
Water solubility	:	partly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	410 °C Ignition temperature dust cloud 390 °C Ignition temperature dust layer
Decomposition temperature	:	Not applicable
Viscosity		
Viscosity, dynamic	:	Not applicable
Minimum explosible dust concentration	:	500 g/m ³

OPTIBENT-1008

Product code: 00000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

Dust explosion class : St1

10. STABILITY AND REACTIVITY

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No decomposition if stored and applied as directed.

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

Acute oral toxicity : Remarks: No data available

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

Species: Bovine corneal opacity and permeability assay (BCOP)

Assessment: Irritating to eyes.

Method: OECD Test Guideline 437

Result: Irritating to eyes.

GLP: yes

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 available

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

OPTIBENT-1008

Product code: 000000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

Persistence and degradability**Product:**

Biodegradability : Remarks: No data available

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

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**

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.

OPTIBENT-1008

Product code: 000000000000150391

Version

2.0 SDS_REG_UN

Revision Date:

17.11.2022

Date of last issue: 22.09.2020

Date of first issue: 28.01.2019

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.