

## OPTIGEL-WM

Product code: 000000000000150454

Version

2.2 SDS\_REG\_UN

Revision Date:

23.06.2026

Date of last issue: 18.04.2023

Date of first issue: 14.12.2016

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : OPTIGEL-WM

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

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : 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.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

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

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**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)
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.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

**5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray  
Foam

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Unsuitable extinguishing media	:	Carbon dioxide (CO <sub>2</sub> ) Dry chemical High volume water jet
Hazardous combustion products	:	The product itself does not burn.
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	:	Neutralise with acid. 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 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	Control parameters / Permissible	Basis

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		exposure)	concentration	
Quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable particulate matter)	0,025 mg/m <sup>3</sup> (Silica)	ACGIH

**Engineering measures** : As a rule, at least 10 air changes per hour are recommended at the workplace.

**Personal protective equipment**

Filter type : Filter type P

Hand protection

Material : Protective gloves

Remarks : Use protective skin cream before handling the product.

Hygiene measures :

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

pH : 10,5 (23 °C)  
 Concentration: 2 %

Melting point/ range : Not applicable

Boiling point/boiling range : Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : Not expected to form explosive dust-air mixtures.

Will not burn

Self-ignition : Not applicable

Upper explosion limit : Not applicable

Lower explosion limit : Not applicable

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : No data available

Density : 2,1 g/cm<sup>3</sup> (20 °C)

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Bulk density	:	600 - 900 kg/m <sup>3</sup>
Solubility(ies)		
Water solubility	:	partly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	Not applicable
Decomposition temperature	:	Not applicable
Viscosity		
Viscosity, dynamic	:	Not applicable
Minimum explosible dust concentration	:	Not applicable

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**10. STABILITY AND REACTIVITY**

Possibility of hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned.
Incompatible materials	:	Strong oxidizing agents
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

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**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

**Aspiration toxicity****Product:**

No data available

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**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

**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

**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.