

**SIOGEL®, WHITE**

Version 1.1

Revision Date 11.05.2009

Print Date 11.05.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : SIOGEL®, WHITE

Use of the Substance/Preparation : Desiccant for chemical and pharmaceutical products, Food, electronic and optical components

Company : OKER-CHEMIE GMBH
Im Schleeke 77
38642 Goslar
Germany

Telephone : +49 (0)53 21 - 7 51-34 15

E-mail address : infoSDS@hcstarck.com

Responsible Department : Corporate HSEQ & SIS - Product Safety

Emergency telephone : +49(0)551/19240

2. HAZARDS IDENTIFICATION**Classification**

No classification

3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**

Substance

Hazardous components

Chemical Name	CAS-No.	EC-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Silicon dioxide	7631-86-9	231-545-4			>= 93

4. FIRST AID MEASURES

If inhaled : Remove to fresh air.
If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water.
If skin irritation occurs, seek medical advice/attention.

In case of eye contact : Rinse with plenty of water.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Obtain medical attention.

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5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media** : Extinguishing methods depends upon fire in vicinity poses.
The product itself does not burn.
- Extinguishing media which shall not be used for safety reasons** : None known.
- Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases** : None known.
- Special protective equipment for fire-fighters** : In the event of fire, wear self-contained breathing apparatus.
- Additional advice** : None known.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid formation and deposition of dust.
Use personal protective equipment.
- Environmental precautions** : No special environmental precautions required.
- Methods for cleaning up** : Use mechanical handling equipment.
Avoid dust formation.
Fill into labelled, sealable containers.

7. HANDLING AND STORAGE**Handling**

- Advice on safe handling** : Avoid dust formation.
Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product.
Ensure that the occupational exposure limit value/s (OEL) and/or other limit values are complied with.
- Advice on protection against fire and explosion** : No special precautions required.

Storage

- Requirements for storage areas and containers** : No special requirements required.
- Further information on storage conditions** : Store in tightly closed containers in a dry place.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Limit Values****Silica, amorphous; CAS-No.: 7631-86-9**

Basis	: EH40 (UK)
Threshold limits	
TWA	: 6 mg/m ³ Inhalable dust
TWA	: 2,4 mg/m ³ Respirable dust
Note	: —

Silicon dioxide; CAS-No.: 7631-86-9

Basis	: OEL (EU)
Note	: No limit value established.

Personal protective equipment

Respiratory protection	: Respiratory protective device with particle filter EN 143
Hand protection	: Glove material: Butyl-rubber, Natural rubber, Nitrile rubber The data about break through time/strength of material is not valid for undissolved solids/dust.
Eye protection	: Safety glasses
Body Protection	: Protective suit
General protective measures	: Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	: granular hygroscopic
Color	: white
Odor	: odorless

Safety data

pH	: 3,5 - 8,0 at 5 % at 20 °C aqueous suspension
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Change in physical state

- Melting point/range	: > 1.000 °C
Bulk density	: 380 - 720 kg/m ³

Solubility

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- **Water solubility** : practically insoluble

10. STABILITY AND REACTIVITY

Conditions to avoid : None known.

Materials to avoid : None known.

Thermal decomposition : not applicable

Hazardous decomposition products : not applicable

11. TOXICOLOGICAL INFORMATION

No toxicology information is available.

12. ECOLOGICAL INFORMATION

No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Product : The Federal, regional and local rules and regulations governing disposal must be complied with.

: This product cannot be classified with disposal identification key acc. to the EU disposal directives as a classification results from the intended utilisation purpose of the consumer

Packaging : Packaging that is not contaminated and has been cleaned can be recycled.

14. TRANSPORT INFORMATION

Land transport ADR/RID
Not dangerous goods

Air transport ICAO-TI/IATA-DGR
Not dangerous goods

Sea transport IMDG
Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives



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Directive 67/548/EEC

No labelling required

National legislation

**Major Accident Hazard
Legislation**

: 96/82/EC
Annex I

Number: Is not subject to the Seveso II Directive.

16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The above details do not imply any guarantee concerning composition, properties or performance.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.