

**SORBSIL® CHAMELEON®**

Version 1.3

Revision Date 14.04.2009

Print Date 08.05.2009

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

**Trade name** : SORBSIL® CHAMELEON®

**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**

Preparation

**Hazardous components**

Chemical Name	CAS-No.	EC-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Silicon dioxide	7631-86-9	231-545-4			>= 93
Ammonium iron(III) sulfate dodecahydrate	7783-83-7	233-382-4			<= 5

**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** : nitrogen oxides (NOx) - Very toxic, Corrosive  
sulfuric oxides (SOx) - Toxic, Corrosive
- Special protective equipment for fire-fighters** : In the event of fire, wear self-contained breathing apparatus.
- Additional advice** : Prevent fire extinguishing water from contaminating surface water or the ground water system.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Avoid formation and deposition of dust.  
Use personal protective equipment.
- Environmental precautions** : Do not flush into surface water or sanitary sewer system.
- 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** : Comply with the directives governing water law
- 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**

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

**Iron salts (as Fe); CAS-No.: 7783-83-7**

<b>Basis</b>	: EH40 (UK)
<b>Threshold limits</b>	
<b>TWA</b>	: 1 mg/m <sup>3</sup>
<b>STEL</b>	: 2 mg/m <sup>3</sup>
<b>Note</b>	: —

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

<b>Basis</b>	: OEL (EU)
<b>Note</b>	: No limit value established.

**Ammonium iron(III) sulfate dodecahydrate; CAS-No.: 7783-83-7**

<b>Basis</b>	: OEL (EU)
<b>Note</b>	: No limit value established.

**Personal protective equipment**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

<b>Form</b>	: granular hygroscopic
<b>Color</b>	: orange
<b>Odor</b>	: odorless

**Safety data**

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**pH** : > 2,0 - 5,0  
at 5 %  
at 20 °C  
aqueous suspension

**Change in physical state**

- **Melting point/range** : > 1.000 °C

**Bulk density** : 680 - 780 kg/m<sup>3</sup>

**Solubility**

- **Water solubility** : practically insoluble

**10. STABILITY AND REACTIVITY**

**Conditions to avoid** : None known.

**Materials to avoid** : None known.

**Thermal decomposition** : > 150 °C

**Hazardous decomposition products** : Ammonia  
Sulphur oxides

**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



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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**

**Directive 1999/45/EC**

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.