

# Safety Data Sheet

475851/03

Date of issue: December 20, 2006

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Revised: December 20, 2006

## \*1. Identification of the substance/preparation and the company

**SORBSIL C "Chameleon"**

Application:  
Drying agent

OKER-CHEMIE GMBH  
Postfach 2540, 38615 Goslar, GERMANY  
Telephone: +49 5321 751 3363 / In case of emergency: +49 5321 751 0

## 2. Composition/information on ingredients

silicid acid, amorphous  
weight % > 93

CAS No.: 7631-86-9

Index No.: --

hazard symbol: --

EINECS No.: 231-545-4

R-phrases: --

**ammonium iron(III) sulfate dodecahydrate**

weight %: < 5

CAS No.: 7783-83-7

Index No.: --

hazard symbols: Xi

EINECS No.: 233-382-4

R-phrases: 36/37/38

## 3. Hazards identification

Hazard description:  
not applicable

## \*4. First-aid measures

After inhalation take the patient into the fresh air. Call a doctor if necessary.

In the event of contact with the skin, rinse off with water and soap. Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open.

In case of persistent irritation of the skin and/or eyes seek medical advice.

If product is swallowed consult a doctor.

## \*5. Fire-fighting measures

Suitable extinguishing media:  
No restriction in fire situations.  
Product is not combustible.

For reasons of security unsuitable extinguishing media:  
none

Special risk due to the substance or the preparation itself, its combustion products or the gas being produced:

In case of fire, ammonia, nitrogen oxides and sulphur oxides is formed.

Special protective equipment when fighting fires:  
Firemen have to wear self-contained breathing apparatus.

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**\*5. Fire-fighting measures** (Continuation)

further information:  
none

**\*6. Accidental release measures**

Precautionary measures regarding persons:  
Avoid the formation of dust, if necessary siphoning the product off locally.  
Use the personal protective equipment listed in Chapter 8.

Environmental protection measures:  
Do not empty into drains or waters.

Methods for cleaning up/taking up:  
Take up spilled product with an industrial vacuum cleaner. Fill into labelled, sealable containers. Note German Technical Regulation on Dangerous Substances No 200/201.

further information:  
none

**\*7. Handling and storage**

Handling

Information on safe handling:  
Avoid the formation of dust, if necessary siphoning the product off locally.

Information on fire and explosion prevention:  
none

Storage

Requirements on storerooms and containers:  
The Wasserhaushaltsgesetz (Water Resources Management Act) and the relevant Landeswassergesetz (local waste water legislation) and the Regulations on Plants for Storing, Filling and Transportation of Substances which are Hazardous to Water must be observed.

Information on common storage:  
Observe the rules contained in the VCI concept for separate/common storage.  
Observe official regulations.

Further information on storage conditions:  
Keep in sealed containers in a dry place.

storage class according to VCI (Association of the German Chemical Industry): 13

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## \*8. Exposure controls/Personal protection

For exposure controls see Chapter 15.

Respiratory protection: Respiratory equipment with filter type P according to DIN EN 143

Hand protection:

Suitable materials for safety gloves:

e.g. Natural rubber, nitrile rubber, butyl rubber

Details of material thickness and breakthrough time:

Not applicable for non-dissolved solids / dusts.

Eye protection: goggle.

## \*9. Physical and chemical properties

tested in accordance with

Form:	granule
Colour:	orange
Odour:	odourless
pH value:	> 2 (5%ige aqueous suspension)
Melting point:	> 1000 °C
Boiling point:	not determined
Flash point:	not applicable
Inflammability:	not determined
Ignition temperature:	not determined
Spontaneous flammability:	not determined
Fire-promoting properties:	not determined
Explosive limits:	not determined
Vapour pressure:	not relevant
Density:	not determined
Solubility in water:	not determined
Fat solubility:	not determined
Partition coefficient n-octanol/water	not determined

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## \*10. Stability and reactivity

Conditions to avoid:

Product is hygroscopic.

Keep at temperatures not exceeding 150 °C.

Substances to avoid:

none known

Hazardous decomposition products:

Formation of ammonia, nitrogen oxides, sulphur oxides possible during thermal decomposition.

further information:

none

## 11. Toxicological information

Toxicological studies on the product are not yet available.

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## \*12. Ecological information

Ecotoxicological studies of the product are not available.

## 13. Disposal considerations

Unused material: reuse if possible. Address manufacturer.

Or:

May be disposed of in approved landfills provided local regulations are observed.

## 14. Transport information

GGVSE: -- UN: -- PG: --

RID/ADR: -- UN: -- PG: --

Warning sign: Hazard no. - --- UN No.: ----

ADNR: -- UN: -- PG: --

GGVSee/IMDG Code: -- UN: -- PG: -- MPO: --

ICAO-TI/IATA-DGR: -- UN: -- PG: --

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information:

Not dangerous cargo. Keep separated from foodstuffs.

## \*15. Regulatory information

No labelling is required in accordance with the EC directives.

German regulations

TRGS 900 "Occupational Exposure Limits":

7631-86-9 silicid acid, amorphous

threshold: 4 mg/m<sup>3</sup> E

Note remarks

Handling restrictions: none

Major accidents regulations: not listed in the appendices

Technical Instruction on Air Pollution Control:

Figure 5.2.1

total dust

Water pollution class (WPC) 1: slightly hazardous to water

(VwVwS addendum 4)

Observe national regulations.

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## **\*16. Other information**

Text of all R phrases referred to in sections 2 and 3:

R 36/37/38: Irritating to eyes, respiratory system and skin.

The presented Safety Data Sheet has been altered.

The reason for the alteration is as follows: revised text (see chapter 4, 5, 6, 7, 8, 9, 10, 12, 15 and 16)

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. **The above details do not imply any guarantee concerning composition, properties or performance.**

Replaces version dated: January 4, 2005