

Trade name: Cab-O-Sil M-5 Pharma Grade

Substance number: 067626

Version: 3 / CH

Date revised: 22.06.2023

Replaces Version: 2 / CH

Print date: 22.06.23

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Cab-O-Sil M-5 Pharma Grade

Item No. 06762600

### **Substance / product identification**

CAS-No. 7631-86-9

EINECS-No. 231-545-4

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

### **2.3. Other hazards**

No special hazards have to be mentioned.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

## **SECTION 3: Composition/information on ingredients**

### **Chemical characterization**

Silicon dioxide

### **Further ingredients**

#### **Silicon dioxide, chemically prepared, amorphous**

CAS No. 7631-86-9

EINECS no. 231-545-4

Registration no. 01-2119379499-16-0000 (TPR)

Concentration &gt;= 95 %

Advice: [4]

Name of set of nanoform Nanoaggregate

Trade name: Cab-O-Sil M-5 Pharma Grade

Substance number: 067626

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Particle size distribution	d10	7-15	nm		
Shape and aspect ratio of particles		amorphous			
		50	to	450	m <sup>2</sup> /g
		Nanoaggregate			
Particle size distribution	d50	2-30	nm		
Shape and aspect ratio of particles		amorphous			
		50	to	450	m <sup>2</sup> /g
		Nanoaggregate			
Particle size distribution	d90	10-35	nm		
Shape and aspect ratio of particles		amorphous			
		50	to	450	m <sup>2</sup> /g

**Note**

[4] Voluntary information

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. In the event of symptoms take medical treatment.

**After skin contact**

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

**After ingestion**

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Treat symptomatically

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing measures to suit surroundings

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Wear protective clothing. Use self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Keep away sources of ignition. Ensure adequate ventilation. Use personal protective clothing.

**6.2. Environmental precautions**

Trade name: Cab-O-Sil M-5 Pharma Grade

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No special measures required.

### 6.3. Methods and material for containment and cleaning up

Pick up mechanically. Avoid raising dust. Send in suitable containers for recovery or disposal. When picked up, treat material as prescribed under Section 13 "Disposal".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes. Avoid dust formation. Do not inhale dust. Provide good ventilation of working area (local exhaust ventilation if necessary). Take action to prevent static discharges.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Recommended storage temperature

Value	15	25	°C
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#### Hints on storage assembly

Do not store with volatile chemicals because of possible adsorption.

#### Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

#### Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### Silicon dioxide, chemically prepared, amorphous

List	SUVA
Type	MAK
Value	4 mg/m <sup>3</sup>
Pregnancy group: S; Remarks: SSc; LungenfibKT AN	

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Hold eye wash fountain available. Hold emergency shower available.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

Protective gloves

#### Eye protection

Safety glasses with side protection shield; Face shield; Safety goggles

#### Body protection

Clothing as usual in the chemical industry.

## SECTION 9: Physical and chemical properties \*\*\*

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**9.1. Information on basic physical and chemical properties****Physical state**

Powder

**Colour**

white

**Odour**

odourless

**Melting point**

Value 1700 °C

**Boiling point or initial boiling point and boiling range**

Value 2230 °C

**Flammability**

not determined

**Flash point**

Remarks not determined

**Decomposition temperature**

Remarks Stable at ambient temperature.

**pH value**

Value 3.6 to 4.5

**Viscosity**

Remarks not determined

**Partition coefficient n-octanol/water (log value)**

Remarks Not applicable

**Vapour pressure**

Remarks not determined

**Density and/or relative density**Value 2.2 g/cm<sup>3</sup>  
Temperature 20 °C**Particle characteristics**

Type	d10			
Particle size	7	to	15	nm
Source	Safety Data Sheet Supplier			
Particle shape	amorphous			
Type	d50			
Particle size	2	to	30	nm
Source	Safety Data Sheet Supplier			
Particle shape	amorphous			
Type	d90			
Particle size	10	to	35	nm
Source	Safety Data Sheet Supplier			
Particle shape	amorphous			

**9.2. Other information****Solubility in water**

Remarks soluble

**Solvent content**

Remarks Not applicable

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Keep away from sources of heat and ignition. Avoid dust formation.

Trade name: Cab-O-Sil M-5 Pharma Grade

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**10.6. Hazardous decomposition products**

None known

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity (Components)****Silicon dioxide, chemically prepared, amorphous**

Species	rat		
LD50	3160		mg/kg

**Skin corrosion/irritation**

evaluation	non-irritant
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**Serious eye damage/irritation (Components)****Silicon dioxide, chemically prepared, amorphous**

evaluation	irritant effect possible
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**Sensitization**

evaluation	non-sensitizing
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**Mutagenicity**

evaluation	No mutagenicity in the Ames-test.
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**Reproductive toxicity**

evaluation	No negative effects
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**Carcinogenicity**

evaluation	No negative effects
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**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

Species	zebra fish (Brachydanio rerio)		
EC0	> 10000		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Daphnia toxicity**

Species	Daphnia magna		
EC0	> 10000		mg/l
Duration of exposure	24	h	
Method	OECD 201		

**12.2. Persistence and degradability****Biodegradability**

Remarks	Not applicable.
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**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

Remarks	Not applicable
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**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

**SECTION 15: Regulatory information \*\*\*****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) \*\*\***

Water Hazard Class (Germany)	Not water hazardous
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Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV
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**SECTION 16: Other information****Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.