

# FOSS MATERIAL SAFETY DATA SHEET

Product name: Silicagel Page: 1/4  
 Last revised date: 2004-01-21 Print date: 2004-01-21  
 P/N-no.: 180737. Included in 459909 SDS-ID: US-D/5.0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name: Silicagel  
Application: For laboratory use for MilkoScan™ 100 Container size: Plastic (PE) container, 750 g  
Supplier: FOSS Analytical A/S  
 69, Stangerupgade  
 DK-3400 Hillerød  
 Comp.Reg.No. 73399815  
 Tel.: +45 7010 3370  
 Fax +45 7010 3371  
 E-mail: info@foss.dk

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains: silica.

The following substances shall be indicated according to legislation:

%:	CAS-No.:	EC No.:	Chemical name:	Hazard classification:	Notes:
80-100	7631-86-9	231-545-4	Colloidal silica	-	

## 3. HAZARDS IDENTIFICATION

The product has not been classified according to the legislation in force.

Human health: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Environment: The hazardous properties of the product are considered to be limited. The hazardous properties of the product are considered to be limited.

## 4. FIRST-AID MEASURES

Inhalation: Move into fresh air and keep at rest. Move injured person into fresh air and keep person calm under observation. If necessary, seek hospital and bring along these instructions.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Rinse mouth and drink plenty of water.

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**5. FIRE-FIGHTING MEASURES**

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.  
Specific hazards: None known.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: Avoid inhalation of dust. For personal protection, see point 8.  
Environmental precautions: Not relevant.  
Methods for cleaning up: Collect spillage with shovel, broom or the like and reuse, if possible. For waste disposal, see point 13.

**7. HANDLING AND STORAGE**

Safe handling advice: Observe good industrial hygiene practices. Avoid inhalation of dust and contact with skin and eyes.  
Technical measures: Not relevant  
Technical precautions: Avoid spreading dust. Keep the workplace clean.  
Technical measures for safe storage: No special precautions.  
Storage conditions: Store in closed original container in a dry place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.

<u>Chemical name:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
Silica, Amorphous	20 mppcf	TWA		OSHA
Silica, Amorphous	10mg/m <sup>3</sup>	TWA		ACGIH

Personal protection: Wear gloves and eye protection if dust is generated during handling. Risk of inhalation of dust: Use respiratory equipment with particle filter, type P2.

Environmental exposure controls: No information available.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: amber crystals  
Odour: None  
pH: not applicable  
Melting point: 1610°C  
Boiling point: 2230°C  
Flash point: not applicable  
Explosive properties: not applicable  
Vapour pressure: not applicable  
Relative density: Not applicable  
Solubility: Insoluble in water

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**10. STABILITY AND REACTIVITY**

Stability: Stable. But hygroscopic.

Conditions/  
materials to avoid: None specific.

Hazardous  
decomposition products: None known.

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**11. TOXICOLOGICAL INFORMATION**

Inhalation: Dust may irritate throat and respiratory system and cause coughing.

Skin contact: Prolonged and frequent contact may cause redness and irritation.

Eye contact: Dust in the eyes will be irritating and may cause redness and pain.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

IARC Cancer Review: Group 3 for Silica, Amorphous.  
IARC Cancer Review: Group 1 for Silica, Crystalline.  
National Toxicology Program (NTP): Group K for Silica, Crystalline (Respirable Size).

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**12. ECOLOGICAL INFORMATION**

Mobility: The product is insoluble in water.

Degradability: The degradability of the product has not been stated.

Ecotoxicity: The hazardous properties of the product are considered to be limited. The hazardous properties of the product are considered to be limited.

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Customer No: 20134  
Filing No: -0203

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**13. DISPOSAL CONSIDERATIONS**

Dispose of waste and residues according to agreement with local authorities.

Waste from residues: EWC-code: 18 05 09

Empty packaging: EWC-code: 15 01 02

**14. TRANSPORT INFORMATION**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15. REGULATORY INFORMATION**

Labeling: Based on information from the manufacturer regarding the chemical composition of the product, an assessment by the Danish Toxicology Centre has shown that according to EEC Directives 67/548/EEC and 1999/45/EC, the product is not liable to classification and labeling.

Specific provisions: National specific regulation may apply.

National regulation: Europe/USA:

This Safety Data Sheet has been prepared according to the EU-regulation.

The following lists and legislation have been checked:

Directives 67/548/EEC on dangerous substances (up to and inclusive of the 28th adaptation) and 1999/45/EC on dangerous preparations.

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

Threshold Limit Values (2003), ACGIH, by the American Conference on Governmental Industrial Hygienists.

The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards. Air contaminants.

U.S. Department of health and human services: 2002 - Report on Carcinogens - 10th Ed. International Agency for Research on Cancer (IARC): IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Lyon: IARC, World Health Organization, 1972-2000.

**16. OTHER INFORMATION**

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 8 and 15.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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Customer No: 20138  
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