

Product name:	SILICON CARBIDE POWDER	Page:	1/8
Revision Date:	2013-11-25	Print date:	2013-11-25
Document No.:	M0057	SDS-ID:	US-EN/13.0

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product name: SILICON CARBIDE POWDER  
Cat. No. 40701005, 40701006, 40701007, 40701008, 40701009, 40701010, 40701021, 40701022

CAS-No.: 409-21-2

EC No.: 206-991-8

REACH Reg. No.: -

Container size: 300; 500 g

### Relevant identified uses of the substance or mixture and uses advised against

Application: Abrasive for mineralogical preparations

### Details of the supplier of the safety data sheet

Supplier: Struers A/S  
Pederstrupvej 84  
DK-2750 Ballerup  
Tel: +45 44 600 800

Responsible for material safety data sheet authoring: Responsible for material safety data sheet authoring: DHI  
Any questions to the contents of this material safety data sheet should be sent to:  
Lisbeth.Mygind@struers.dk

### Emergency telephone number

Emergency telephone: Infotrac:  
1-800-535-5053  
Struers US:  
1-440-871-0071

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## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the substance or mixture

The product is not classified.

67/548/EEC: -

GHS: -

Human health: The hazardous properties of the product are considered limited. May cause minor irritation on skin contact. Dust may irritate the eyes and the respiratory system.

Environment: The product is not expected to be hazardous to the environment.

### Label elements

Based on information from the manufacturer regarding the chemical composition, the product is not liable to classification, but the following labeling must be applied:

NFPA Rating: Health:1 Fire:1 Reactivity:0 Other:-

Safety data sheet available for professional user on request.

### Other hazards

PBT/vPvB: Not relevant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

The product contains: abrasive.

67/548/EEC:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
99,5-100	409-21-2	206-991-8	-	Silicon carbide	-	

GHS:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
99,5-100	409-21-2	206-991-8	-	Silicon carbide	-	

References: The full text for all R-phrases and hazard statements are displayed in section 16.

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## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

Inhalation: If uncomfortable during dust-raising work: Move into fresh air and keep at rest.

Skin contact: If uncomfortable during dust-raising work: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: If irritation occurs during dust-raising work, flush with plenty of water for up to 15 minutes.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

### Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

### Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Not known.

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

### Special hazards arising from the substance or mixture

Specific hazards: No specific precautions.

### Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Avoid inhalation of dust.

### Environmental precautions

Environmental precautions: Avoid release to the environment.

### Methods and material for containment and cleaning up

Spill Cleanup Methods: Dampen spillage with water. Absorb spillage with suitable absorbent material.

### Reference to other sections

References: For personal protection, see section 8. For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Safe handling advice: Avoid contact with skin and eyes. Avoid inhalation of dust. Observe good chemical hygiene practices.

Technical measures: Avoid spreading dust. Work practice should minimize contact.

Technical precautions: Local exhaust is recommended.

### Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in closed original container in a dry place.

### Specific end use(s)

Specific use(s): Not relevant.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
409-21-2	Silicon carbide, Fibrous (including whiskers)	-	0.1 fiber/ml	TWA	A2	ACGIH
409-21-2	Silicon carbide, total dust	-	15 mg/m3	TWA	-	OSHA
409-21-2	Silicon carbide, respirable fraction	-	5 mg/m3	TWA	-	OSHA
409-21-2	Silicon carbide, nonfibrous, respirable fraction	-	3 mg/m3	TWA	-	ACGIH
409-21-2	Silicon carbide, nonfibrous, inhalable fraction	-	10 mg/m3	TWA	-	ACGIH

Notes: A2: Suspected Human Carcinogen.

### Exposure controls

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

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: During dust-raising work: Use respiratory equipment with particle filter, type P2.

Hand protection: Risk of contact: Wear protective gloves.

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: No special precautions.

Environmental Exposure Controls: Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance: black powder

Odor: Odorless.

pH: Not available.

Boiling point: Not available.

Flash point: Not available.

Explosion limits: Not available.

Relative density: 1,1-1,54

Solubility: insoluble in water

### Other information

Other data: VOC (Volatile Organic Substances): 0 g/l

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Reactivity: None known.

### Chemical stability

Stability: Stable under normal temperature conditions.

### Possibility of hazardous reactions

Hazardous Reactions: None known.

### Conditions to avoid

Conditions/materials to avoid: Strong acids and strong bases.

### Incompatible materials

Incompatible materials: None known.

### Hazardous decomposition products

Hazardous decomposition products: Not relevant.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

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

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: Dust in the eyes will cause irritation.

Ingestion: May irritate and cause malaise.

Specific effects: Carcinogenicity:  
National Toxicology Program (NTP): No.  
I.A.R.C. Monographs: No.  
OSHA: No.

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## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Ecotoxicity: The product is not expected to be hazardous to the environment.

### Persistence and degradability

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

### Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

### Mobility in soil

Mobility: No data available.

### Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

### Other adverse effects

Other adverse effects: None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste from residues: EWC-code: 16 05 09

## SECTION 14: TRANSPORT INFORMATION

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

### UN number

UN-No: -

### UN proper shipping name

Proper Shipping Name: -

### Transport hazard class(es)

Class: -

### Packing group

PG: -

### Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

### Special precautions for user

Special precautions: None known.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: TSCA: Listed.

National regulation: Europe/USA:  
This Material Safety Data Sheet has been prepared according to the EU-regulation.  
Threshold Limit Values (2013), 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 (OSHA), with amendments.

### Chemical Safety Assessment

CSA status: Not relevant.

## SECTION 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: -

The (\*) indicates the changes made with respect to the previous version.

Approved by DHI.



Additional information: Classification according to Regulation (EC) No. 1272/2008:  
Calculation method.

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.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).