

## Identification of the substance or preparation:

Siliziumkarbid

Revision date: 11.06.2013



## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

#### 1.1. Product identifiers

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Use of the substance/ preparation: Industrial use of processing aids.

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

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

Supplier (manufacturer/importer/  
downstream user/distributor):

PURRATIO AG

Mörikestraße 30

D-73765 Neuhausen a.d. Fildern

P.O. Box:

Postfach 1152 D-73761 Neuhausen a.d. Fildern

Telephone:

+49 7158 986 55-0

Telefax:

+49 7158 986 55-19

E-mail (competent person):

[info@purratio.ag](mailto:info@purratio.ag)

Dept. responsible for information:

PURRATIO AG

Information telephone:

+49 7158 986 55-0

#### 1.4. Emergency telephone number

PURRATIO AG

Dept. responsible for information:

Only available during office hours.

Emergency telephone:

+49 7158 986 55-0

### SECTION 2: Hazards identification

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

#### 2.2. Label elements

#### 2.3. Other hazards

Other hazards:

Inhalation of dust may cause irritation of the respiratory system.

### SECTION 3: Composition / Information on ingredients

#### Hazardous ingredients:

CAS No.	EC No	Chemical name/ REACH registration No.	of (%)	up to (%)	Unit/ Content	Hazard symbol(s)	R phrases	INDEX no.
409-21-2	206-991-8	silicon carbide	60	100	%			

Full text of R-phrases: see section 16.

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**Labelling (CLP):**

CAS No.	EC No	Chemical name/ REACH registration No.	Hazard pictograms	Signal word	Hazard statements
409-21-2	206-991-8	silicon carbide			

Full text of H-phrases: see section 16.

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

Remove casualty to fresh air and keep warm and at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

**In case of skin contact:**

Wash with plenty of soap and water. In case of skin irritation, consult a physician.

**In case of eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion:**

Seek medical advice.

**4.2. Most important symptoms and effects, both acute and delayed**

Inhalation of dust may cause irritation of the respiratory system.

**4.3. Indication of any immediate medical attention and special treatment needed****Information to physician:**

Treat symptomatically.

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

The product itself does not burn.

**5.2. Special hazards arising from the substance or mixture****5.3. Advice for firefighters****Special protective equipment for firefighters:**

In case of fire: Wear self-contained breathing apparatus. Wear personal protection equipment.

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

Keep unprotected people away and stay on the upwind side. Wear personal protection equipment.

**6.2. Environmental precautions****Environmental measures:**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****Methods for cleaning up:**

Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections****Additional information:**

Treat the recovered material as prescribed in the section on waste disposal.

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**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advices on safe handling:**

Provide adequate ventilation. Wash hands thoroughly after handling. Do not breathe dust.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storerooms and containers:**

Keep container tightly closed.

**7.3. Specific end use(s)****SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:****Occupational exposure limit values:**

CAS No.	Chemical name	AGW (DE)	Unit	ppm	Peak limitation	Remark
409-21-2	silicon carbide	10	mg/m <sup>3</sup>			Inhalierbarer Staub / inhalable dust

**8.2. Exposure controls****Technical measures:**

Provide adequate ventilation.

**Respiratory protection:** If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Wear personal protection equipment.**Hand protection:** Wear suitable gloves.**Eye protection:** Tightly sealed safety glasses.**General protection and hygiene measures:**

Wash hands thoroughly after handling.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state:** solid**Colour:** green / black**Odour:** characteristic**Important health, safety and environmental information:**

Melting point / melting range: 2700	Unit °C	Method <i>Sublimiert</i>
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**9.2. Other information****Additional information:**

Relative density (air = 1) : 3,2

Water solubility (g/l): insoluble

**SECTION 10: Stability and reactivity****10.1. Reactivity**

stabil / stable

**10.2. Chemical stability****10.3. Possibility of hazardous reactions**

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**10.4. Conditions to avoid**

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**

Metalloxyde

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

No indications of human carcinogenicity exist.

**General remarks:**

Exposure route:

Irritating to eyes and respiratory system.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

**12.5. Results of PBT and vPvB assessment**

**12.6. Other adverse effects**

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Recommendation:**

Recycle according to official regulations.

**Contaminated packaging:**

**Recommendation:**

Dispose according to legislation.

**SECTION 14: Transport information**

**14.1. Land transport (ADR/RID)**

**Remark:** No dangerous good in sense of this transport regulation.

**14.2. Inland waterway craft (ADN/ADNR)**

**Remark:** No dangerous good in sense of this transport regulation.

**14.3. Sea transport (IMDG)**

**Remark:** No dangerous good in sense of this transport regulation.

**14.4. Air transport (ICAO-TI / IATA-DGR)**

**Remark:** No dangerous good in sense of this transport regulation.

**14.5. Additional information:**

**SECTION 15: Regulatory information**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SECTION 16: Other information**

**Further remarks:**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.