

**Identification of the substance or preparation:**

Kieselgur C 200, C 1200, C 3500

Revision date: 25.09.2008 / 11.10.2012    Version: 2    Date of print: 11.10.2012



## 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****Kieselgur C 200, C 1200, C 3500**

REACH registration No.: 01-2119488518-22-----

Use of the substance/ preparation: Filter Aid

**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): Eaton Technologies GmbHBegerow Product Line  
An den Nahewiesen 24  
55450 Langenlonsheim

Telephone: +49 6704 204-0

Telefax: +49 6704 204-121

E-mail (competent person): SDB@Eaton.com

Dept. responsible for information: Produktmanagement  
Only available during office hours.

Information telephone: +49 6704 204-0

**1.4. Emergency telephone number**Dept. responsible for information: Produktmanagement  
Only available during office hours.

Emergency telephone: +49 6704 204-0

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture****Classification according to EC regulation 1272/2008 (CLP):**

Calcined Diatomaceous Earth A: respirable fraction of dust &lt; 1% w/w

Classification according to EC regulation 1272/2008 (CLP): none/none

**Classification according to Directive 67/548/EEC or 1999/45/EC:**

Calcined Diatomaceous Earth A: respirable fraction of dust 1% - 10% w/w

Classification according to Directive 67/548/EEC or 1999/45/EC :

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**2.2. Label elements**

Labelling (67/548/EEC or 1999/45/EC):

Hazard symbol(s) and hazard identifier(s) for dangerous materials and preparations:

Xn

**R phrases:**

R phrases	
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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Do not breathe dust.

Acute inhalation may cause dryness of the nasal passages and congestion of the upper respiratory tract.

Remove person to fresh air when exposed to high concentrations.

May cause irritation or inflammation. Wash with generous quantities of water. Avoid rubbing eyes.

Not absorbed by skin. May cause dryness. Use moisture renewing lotions.

Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throat and stomach.

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**SECTION 3: Composition / Information on ingredients**

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**Chemical characterization (preparation):**

Diatomaceous Earth, calcined

CAS Nr. 68855-54-9, EINECS Nr. 272-489-0

100% by weight.

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**SECTION 4: First aid measures**

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**4.1. Description of first aid measures****General information:**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**After inhalation:**

Provide fresh air. Inhalation of dust may cause irritation of the respiratory system. In case of respiratory tract irritation, consult a physician.

**In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap. Protect skin by using skin protective cream.

**In case of eye contact:**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion:**

Rinse mouth immediately and drink plenty of water. Do not induce vomiting.

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

Acute inhalation may cause dryness of the nasal passages and congestion of the upper respiratory tract.

Remove person to fresh air when exposed to high concentrations.

May cause irritation or inflammation. Wash with generous quantities of water. Avoid rubbing eyes.

Not absorbed by skin. May cause dryness. Use moisture renewing lotions.

Ingestion of small to moderate quantities is not considered harmful, but may cause irritation of the mouth, throat and stomach.

Breathing dust containing crystalline silica over a prolonged period of time may cause lung damage. Crystalline silica (Cristobalite) is a known cause of silicosis, a progressive, sometimes fatal lung disease.

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

Treat symptomatically.

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**SECTION 5: Firefighting measures**

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**5.1. Extinguishing media****Suitable extinguishing media:**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

**Extinguishing media which must not be used for safety reasons:**

No data available

**5.2. Special hazards arising from the substance or mixture**

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The product is not: Flammable. Spontaneously flammable. Explosive.

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

**5.3. Advice for firefighters****Special protective equipment for firefighters:**

No special fire protection measures are necessary.

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**SECTION 6: Accidental release measures**

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**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions:**

Avoid generation of dust. Wear personal protection equipment.

Provide for sufficient ventilation and punctiform suction at critical points.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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

Avoid generation of dust. 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. Avoid generation of dust. Wear suitable protective clothing. Treat the recovered material as prescribed in the section on waste disposal.

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

refer to chapter 8

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**SECTION 7: Handling and storage**

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**7.1. Precautions for safe handling****Advices on safe handling:**

Avoid generation of dust. Provide for sufficient ventilation and punctiform suction at critical points. In case of insufficient ventilation, wear suitable respiratory equipment.

Open and handle container with care.

Prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

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

Avoid generation of dust. Keep container tightly closed in a cool, well-ventilated place. Prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

Store in a dry place to maintain packaging integrity and product quality.

**Hints on joint storage:**

Do not store together with: Hydrogen fluoride.

**7.3. Specific end use(s)**

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**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:****Remarks:**

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Germany has no more OEL for quartz, cristobalite and tridymite.

Countries	Cristobalite - Respirable Fraction (mg/m <sup>3</sup> )
Italy, Portugal	0,025
Belgium, Denmark, Estonia France, Greece, Ireland Lithuania, Norway, Romania, Spain, Sweden.	0,05
Bulgaria	0,07
Netherlands	0,075
United Kingdom, Finland, Slovakia, Czech Republic, Hungary	0,1
Austria, Luxembourg, Slovenia Switzerland	0,15
Poland (dusts with > 50% crystalline silica content)	0,3
Poland (dusts with 2- 50% crystalline silica content), Russia	1

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

Avoid generation of dust. Dust should be exhausted directly at the point of origin.

If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures e.g. by isolating personnel from dusty areas.

**Respiratory protection:** Respirators approved for protection against dust containing crystalline silica recommended.

Suitable respiratory protection apparatus: Filtering device (DIN EN 147). P 2

**Hand protection:** Hand protection: not required.

Protect skin by using skin protective cream.

**Eye protection:** Tightly sealed safety glasses.**Body protection:** Take off immediately all contaminated clothing.**General protection and hygiene measures:**

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state:** Powder**Colour:** white - beige**Odour:** Odorless (slightly earthy when moist)**Important health, safety and environmental information:**

		Unit		Method
<b>pH:</b>	7 - 9		at °C 20	10%
<b>Melting point / melting range:</b>	> 450	°C		
<b>Flammability:</b>	<i>Non-flammable.</i>			
<b>Spontaneously flammable:</b>	<i>Non-flammable. Spontaneously flammable.</i>			
<b>Explosivity:</b>	<i>The product is not: Explosive.</i>			

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**Density:** 2,36  
**Bulk density:** 200 - 300 kg/m<sup>3</sup>  
**Water solubility (g/l):** < 1 %

**9.2. Other information****SECTION 10: Stability and reactivity****10.1. Reactivity**

none/none

**10.2. Chemical stability**

The product is stable in the test system for the test duration.

**10.3. Possibility of hazardous reactions**

Violent reaction with: Hydrogen fluoride.

**10.4. Conditions to avoid**

No special measures are required.

**10.5. Incompatible materials****10.6. Hazardous decomposition products**

Hydrofluoric acid-products containing silica may react violently with Hydrofluoric acid. Silicon tetrafluoride is evolved, which is hazardous.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity:**

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity, inhalative: Based on available data, the classification criteria are not met.

**Acute toxicity:**

CAS No.	Chemical name	LD50: oral	Unit	Species	LD50: dermal	Unit	Species	LC50: inhalat iv	Unit	Species
68855-54-9	Kieselguhr, soda ash flux-calcined	> 2000	mg/kg	Rat.				> 2,6	mg/l	Rat.

CAS No.	Chemical name	Method: oral	Method: dermal	Method: inhalativ	h	Remark
68855-54-9	Kieselguhr, soda ash flux-calcined	OECD 401		OECD 403		

**Irritant and corrosive effects:**

Irritant effect on the skin: Based on available data, the classification criteria are not met.

Irritant effect on the eye: Based on available data, the classification criteria are not met.

**Sensitisation:**

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

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

germ cell mutagenicity: Based on available data, the classification criteria are not met.

genotoxicity :in vitro: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Kieselgur Calcined with less than 1% respirable cristobalite. Based on available data, the classification criteria are not met.

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

not determined

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not determined

**Effects in sewage plants:**

not determined

**12.2. Persistence and degradability****Method:**

According to the present state of knowledge negative ecological effects are not expected.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment**

not relevant

**12.6. Other adverse effects**

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**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods****Recommendation:**

Dispose of waste according to applicable legislation.

**Waste name:** The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.**Contaminated packaging:****Recommendation:**

Avoid generation of dust. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended.

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**SECTION 14: Transport information**

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**14.1. Land transport (ADR/RID)****14.2. Inland waterway craft (ADN/ADNR)****14.3. Sea transport (IMDG)****14.4. Air transport (ICAO-TI / IATA-DGR)****14.5. Additional information:**

No dangerous good in sense of these transport regulations.

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**SECTION 15: Regulatory information**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class:** n **Source:** S Selbsteinstufung**Other regulations (EU):**

Training:

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

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**SECTION 16: Other information**

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**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

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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.

**E-mail (competent person):**

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