

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 01-Sep-2016

**Print date:** 02-Sep-2016

**Version:** 2

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## BECOGUR 3500, BECOGUR 4500

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

#### 1.1. Product identifier

**Trade name/designation:**

**BECOGUR 3500, BECOGUR 4500**

**REACH No.:**

01-2119488518-22

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

**Use of the substance/mixture:**

Filter Aid

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

**Eaton Technologies GmbH**

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

**Telephone:** +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

**Telefax:** +49 6704 204-121

**E-mail:** SDB@Eaton.com

**Website:** www.eaton.com/filtration

#### 1.4. Emergency telephone number

No data available

### SECTION 2: Hazards identification

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

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**Additional information:**

Additional information: 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.

Do not breathe dust.

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.

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### 2.3. Other hazards

No data available

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## BECOGUR 3500, BECOGUR 4500

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

**Description:**

Diatomaceous Earth, Flux-calcined, CAS Nr. 68855-54-9, EINECS Nr. 272-489-0  
100% by weight.

Other components

Cristobalite (Respirable), CAS Nr. 91053-39-3, EINECS Nr. 293-303-4

< 1% by weight

Respirable crystalline silica per SWerF calculation (particle size distribution).

### SECTION 4: First aid measures

#### 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.

**Following inhalation:**

Provide fresh air. Inhalation of dust may cause irritation of the respiratory system.

**In case of skin contact:**

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

**After 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.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media:**

No data available

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

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

No special fire protection measures are necessary.

#### 5.4. Additional information

No data available

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## BECOGUR 3500, BECOGUR 4500

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Avoid dust formation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Wear personal protection equipment.

##### 6.1.2. For emergency responders

No data available

#### 6.2. Environmental precautions

No special environmental measures are necessary.

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

**For cleaning up:**

Take up mechanically. Avoid dust formation. Wear suitable protective clothing.

#### 6.4. Reference to other sections

No data available

#### 6.5. Additional information

No data available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Avoid dust formation. Provide adequate ventilation as well as local exhaustion at critical locations. In case of insufficient ventilation, wear suitable respiratory equipment.

Handle and open 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 storage rooms and vessels:**

Avoid dust formation. 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 storage assembly:**

Do not store together with: Hydrogen fluoride

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

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

Avoid dust formation. 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.

##### 8.2.2. Personal protection equipment

**Eye/face protection:**

Tightly sealed safety glasses.

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### Skin protection:

Hand protection: not required.  
Protect skin by using skin protective cream.

### Respiratory protection:

Respirators approved for protection against dust containing crystalline silica recommended.  
Suitable respiratory protection apparatus: Filtering device (DIN EN 147) P 2

### Other protection measures:

Protective clothing: Take off immediately all contaminated clothing.  
General health and safety measures: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Powder

**Colour:** light pink - white

**Odour:** Odorless (slightly earthy when moist)

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	8 - 10	20 °C		Gehalt an gelöster Substanz: 10%
Melting point	> 1,300 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			

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parameter		at °C	Method	Remark
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	2.2			
Bulk density	200 - 300 kg/m <sup>3</sup>			
Water solubility (g/L)	1 %			
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

Entzündlichkeit (Feststoff/Gas): Non-flammable.

Selbstentzündlichkeit (Feststoff/Gas): Non-flammable. Spontaneously flammable.

Explosionsgefahr: The product is not: Explosive

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

none

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 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

No data available

### 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 oral toxicity:

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

#### Acute inhalation toxicity:

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

#### Skin corrosion/irritation:

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

#### Eye damage/irritation:

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

#### Respiratory or skin sensitisation:

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

#### Germ cell mutagenicity:

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

#### Carcinogenicity:

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

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

#### STOT-single exposure:

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

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### STOT-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

#### Terrestrial toxicity:

not determined

#### Effects in sewage plants:

not determined

### 12.2. Persistence and degradability

#### Additional information:

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

### 12.3. Bioaccumulative potential

#### Accumulation / Evaluation:

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

not relevant

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

#### Remark:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### Waste treatment options

#### Appropriate disposal / Package:

Avoid dust formation. 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.

### 13.2. Additional information

No data available

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

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### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

### 14.6. Special precautions for user

not relevant

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

not relevant

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

No data available

#### 15.1.2. National regulations

##### [DE] National regulations

#### Water hazard class (WGK)

##### WGK:

nwg - nicht wassergefährdend

##### Source:

S Selbsteinstufung

#### Other regulations, restrictions and prohibition regulations

##### 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.

### 15.2. Chemical Safety Assessment

No data available

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

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### 16.6. Training advice

No data available

### 16.7. Additional information

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.