

BECODISC Stacked Disc Cartridge; contains minerals

BA20, BA40

CA20, CA40

Revision date: 10.09.2008 / 19.05.2015 Version: 3 Date of print: 28.05.2015



## 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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The substance does not require registration according to Regulation (EC) No 1207/2006 [REACH]: X

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

**Use of the substance/ preparation:** Filtration of liquids

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

**Supplier (manufacturer/importer/  
downstream user/distributor):** Eaton Technologies GmbH

Begerow 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):**

none/none

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

none/none

#### Further remarks:

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

Do not breathe dust.

In a dry state as a result of mechanical influences or non-conforming use may lead to dust emission.

#### 2.2. Label elements

#### 2.3. Other hazards

**Possible harmful physico-chemical effects:**

No known symptoms to date.

**Possible harmful effect(s) on human beings and possible symptom(s):**

No known symptoms to date.

**Possible harmful effect(s) on the environment:**

No known symptoms to date.

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**SECTION 3: Composition / Information on ingredients****Chemical characterization (preparation):**

BECODISC stacked disc cartridges are manufactured from BECO depth filter sheets using Polyolefin/Polyamid injection moulded parts and a three-part stainless steel segmented sleeve.

**BECO Depth Filter Sheets**

The variable amount of Cellulose, Kieselguhr, Perlite and resin used to manufacture Depth Filter Sheets all comply with regulations that apply to food production.

**3.2. Mixtures****Hazardous ingredients:**

CAS No.	EC No	Chemical name:/ REACH registration No.	of (%)	up to (%)	Unit/ Content	Hazard symbol(s)	R phrases	INDEX no.
14808-60-7	238-878-4	Quartz (SiO <sub>2</sub> )		1	% by weight	Xn	48/20	
14464-46-1	238-455-4	crystalite		1	% by weight	Xn	48/20	

Full text of R-phrases: see section 16.

**Labelling (CLP):**

CAS No.	EC No	Chemical name:/ REACH registration No.	Hazard pictograms	Signal word	Hazard statements
14808-60-7	238-878-4	Quartz (SiO <sub>2</sub> )			
14464-46-1	238-455-4	crystalite			

Full text of H-phrases: see section 16.

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

No special measures are required.

**In case of eye contact:**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion:**

Rinse mouth immediately and drink plenty of water.

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

No known symptoms to date.

**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:**

Water. Carbon dioxide (CO<sub>2</sub>). Foam.

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

High power water jet.

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

**Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:**

BECODISC B-Stacked Disc Cartridges

Contains: Polyolefine.

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Formaldehyde. Acetone. Aldehyde. Formic acid.

BECODISC C-Stacked Disc Cartridges

Contains: Polyamid

In case of fire may be liberated: Ammonia. Nitrogen oxides (NO<sub>x</sub>). Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Amines. Aldehyde.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters:**

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

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**SECTION 6: Accidental release measures**

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

**6.1.1. For non-emergency personnel**

**Personal precautions:**

Avoid generation of dust. Do not breathe dust.

**6.1.2. For emergency responders**

**6.2. Environmental precautions**

No special measures are required.

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

**Methods for cleaning up:**

Take up mechanically. Avoid generation of dust.

**6.4. Reference to other sections**

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**SECTION 7: Handling and storage**

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**7.1. Precautions for safe handling**

**Advices on safe handling:**

Do not breathe dust. No special measures are required.

**Precautions against fire and explosion:**

Keep away from: material, combustible.

**7.2. Conditions for safe storage, including any incompatibilities**

**Hints on joint storage:**

Do not store together with: Material, combustible.

**Further information on storage conditions:**

Depth filters must be stored in a dry and smell-free place that is well aerated.

Protect against: UV-radiation/sunlight.

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

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

**Remarks:**

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

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### 8.2.2. Personal protective equipment

**Respiratory protection:** If used appropriate a breathing mask is not necessary.

Respiratory protection necessary at/for: dust formation high concentrations

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

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

**Eye protection:** Eye protection: not required.

**Body protection:**

Protect skin by using skin protective cream.

**General protection and hygiene measures:**

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

#### 8.2.3. Environmental exposure controls:

## SECTION 9: Physical and chemical properties

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

**Physical state:** solid

**Colour:** white beige

**Odour:** odourless

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Substance is, under normal conditions, chemically stable.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Avoid generation of dust.

### 10.5. Incompatible materials

Hydrogen fluoride.

### 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:**

Toxicological data are not available.

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**Irritant and corrosive effects:**

No known symptoms to date.

**Sensitisation:**

No known symptoms to date.

**Repeated dose toxicity:**

No known symptoms to date.

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

No known symptoms to date.

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**SECTION 12: Ecological information**

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**12.1. Toxicity**

**Aquatic toxicity:**

Ecological data are not available.

**Further details:**

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

**12.2. Persistence and degradability**

**Method:**

No data available

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

No data available

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

No data available

**12.6. Other adverse effects**

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**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods**

**Recommendation:**

The waste code numbers according to the German Waste Catalogue are substance-related, while the Waste code numbers according to the European Waste Catalogue (EWC code) are source-related. The exact assignment to a waste code according to the EWC code can only be undertaken by the user who generates waste products from them requiring disposal.

**Contaminated packaging:**

**Recommendation:**

Completely emptied packages can be recycled.

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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

### **15.2. Chemical Safety Assessment**

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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 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):**

SDB@Eaton.com

### **Relevant R-and H-phrases (Number and full text):**

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