

SAFETY DATA SHEET

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

Revision date: 6 May 2019

Print date: 22 Oct 2021

Version: 1

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Powering Business Worldwide

BECODISC Stacked Disc Cartridges BXS - Range

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

1.1. Product identifier

Trade name/designation:

BECODISC Stacked Disc Cartridges BXS - Range

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

Use of the substance/mixture:

Filtration of liquids

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

Additional information:

Additional information: 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

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

Adverse physicochemical effects:

No known symptoms to date.

Adverse human health effects and symptoms:

No known symptoms to date.

Adverse environmental effects:

No known symptoms to date.

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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

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.

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 14808-60-7 EC No.: 238-878-4	Quartz (SiO₂) Substance with a community workplace exposure limit.	3 weight-%
CAS No.: 14464-46-1 EC No.: 238-455-4	crystalobalite Substance with a community workplace exposure limit.	1 weight-%

SECTION 4: First aid measures

4.1. Description of first aid measures

Following 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.

After 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.

Following 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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water, Carbon dioxide (CO₂), Foam

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

BECODISC B- Stacked Disc Cartridges

Contains: Polyolefine

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂), Formaldehyde, Acetone, Aldehyde, Formic acid

BECODISC C-Stacked Disc Cartridges

Contains: Polyamid

In case of fire may be liberated: Ammonia, Nitrogen oxides (NO_x), Carbon monoxide, Carbon dioxide (CO₂), Amines, Aldehyde.

5.3. Advice for firefighters

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

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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. Do not breathe dust.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

No special measures are required.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Take up mechanically. Avoid dust formation.

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe dust. No special measures are required.

Fire prevent measures:

Keep away from: material, combustible.

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly:

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)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
BOELV (EU)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (Silica, crystalline; respirable fraction)
BOELV (EU)	crystalite CAS No.: 14464-46-1 EC No.: 238-455-4	① 0.1 mg/m ³ ⑤ (Silica, crystalline; respirable fraction)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye protection: not required.

Skin protection:

Protect skin by using skin protective cream.

Hand protection is not required.

Respiratory protection:

If used appropriate a breathing mask is not necessary.

Respiratory protection necessary at: dust formation, high concentrations

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

Other protection measures:

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: white beige

Odour: odourless

9.2. Other information

There are no data available on the mixture itself.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Avoid dust formation.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity:

Toxicological data are not available.

Acute dermal toxicity:

Toxicological data are not available.

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Acute inhalation toxicity:

Toxicological data are not available.

Skin corrosion/irritation:

No known symptoms to date.

Respiratory or skin sensitisation:

No known symptoms to date.

Carcinogenicity:

No known symptoms to date.

STOT-single exposure:

No known symptoms to date.

STOT-repeated exposure:

No known symptoms to date.

Additional information:

Repeated dose toxicity (subacute, subchronic, chronic): No known symptoms to date.

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

Ecological data are not available.

Additional ecotoxicological information:

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

12.2. Persistence and degradability

Additional information:

Further ecological information: No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

Waste treatment options

Appropriate disposal / Package:

Completely emptied packages can be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

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14.1. UN number or ID number

not relevant

14.2. UN proper shipping name

not relevant

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. Maritime transport in bulk according to IMO instruments

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:

nwg - nicht wassergefährdend

Source:

S Selbsteinstufung

15.2. Chemical Safety Assessment

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 mixture 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

16.6. Training advice

No data available

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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.