

SAFETY DATA SHEET

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

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Powering Business Worldwide

SIHA Carbogran FA

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

1.1. Product identifier

Trade name/designation:

SIHA Carbogran FA

Additional information:

The substance does not require registration according to REACH.

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

Use of the substance/mixture:

Product for Beverage treatment

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:

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

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.

Hazard components for labelling:

Activated Carbon

2.3. Other hazards

Adverse physicochemical effects:

Material, combustible.

Adverse human health effects and symptoms:

Never enter a confined space containing wet activated carbon as it will adsorb oxygen and asphyxiation may result. If necessary measure oxygen concentration. Note regulations for prevention of accidents.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

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Preparation based upon chemically activated carbon agglomerated with clay.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

Subsequently wash off with: Water and soap

IF ON CLOTHING: Change contaminated, saturated clothing.

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.

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

No data available

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

No data available

SECTION 5: Firefighting measures

* **5.1. Extinguishing media**

Suitable extinguishing media:

Foam, Extinguishing powder, Water spray jet

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂)

Burns slowly without a flame if the Product is bulked. Rapid combustion with liquid oxygen, ozone and powerful oxidants

5.3. Advice for firefighters

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

5.4. Additional information

No data available

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.

Avoid contact with skin, eyes and clothes. Do not breathe dust.

Provide adequate ventilation.

No special measures are necessary.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

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

For cleaning up:

Do not crush. Sweep up; shovel up. Uncontaminated product can be re-used. Incinerate contaminated residues containing adsorbed substances at an approved waste disposal site only.

6.4. Reference to other sections

No data available

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6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

When using do not eat, drink, smoke, sniff.

Do not breathe dust. Do not crush, avoid the formation and spread of dust in the air. In confined spaces, activated carbon adsorbs oxygen: risk of asphyxia.

Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

Fire prevent measures:

Keep away from heat.

Keep away from sources of ignition - No smoking.

* 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

Keep/Store only in original container.

Hints on storage assembly:

Do not store together with: Oxidising agent.

Store away from solvents (possibility of adsorption of their fumes/vapours by activated carbon)

Storage class: 13 - Non-combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Quick combustion with liquid oxygen, ozone and powerful oxidants.

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

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Activated Carbon	3 mg/cm ²	① DNEL worker ② DNEL acute inhalative (local)
Activated Carbon	0.5 mg/cm ²	① DNEL Consumer ② DNEL acute inhalative (local)
Activated Carbon	1.8 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
Activated Carbon	0.9 mg/m ³	① DNEL Consumer ② DNEL long-term inhalative (systemic)

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

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8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses

Skin protection:

Hand protection: The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Use protective skin cream before handling the product.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation

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: AGW-Value Dust (alveolar fraction) 3 mg/m³. AGW -Wert Dust (respirable fraction) 10 mg/m³

SECTION 9: Physical and chemical properties

* 9.1. Information on basic physical and chemical properties

Appearance

Physical state: Dispersible pellets

Colour: black

Odour: odourless

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
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>			
Ignition temperature in °C	> 250 °C			
Upper/lower flammability or explosive limits	<i>No data available</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	<i>not determined</i>			
Bulk density	300 - 500 kg/m ³			
Water solubility	<i>not determined</i>			
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

not explosive according to EU A.14

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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

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

* 10.3. Possibility of hazardous reactions

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

10.4. Conditions to avoid

Quick combustion with liquid oxygen, ozone and powerful oxidants.

10.5. Incompatible materials

Store away from solvents (possibility of adsorption of their fumes/vapours by activated carbon)

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

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

Acute dermal 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.

Serious 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:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

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

Additional ecotoxicological information:

This product is not hazardous to the environment. Product must be released into the environment if dangerous substances are adsorbed onto the product.

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12.2. Persistence and degradability

Additional information:

Further ecological information: No data available

12.3. Bioaccumulative potential

Accumulation / Evaluation:

Monility - in Air: Highly mobile (dust).

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Further ecological information: Insoluble in aqueous solution, the product can be separated by filtration and sedimentation.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Waste treatment options

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

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

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

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15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

nwg - nicht wassergefährdend

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

3.2.	Mixtures
5.1.	Extinguishing media
6.1.	Personal precautions, protective equipment and emergency procedures
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
10.3.	Possibility of hazardous reactions
14.3.	Transport hazard class(es)

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

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.

* Data changed compared with the previous version