

SAFETY DATA SHEET

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

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Powering Business Worldwide

SIHA Aktivkohle GE / SIHA Actiliq GE

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

1.1. Product identifier

Trade name/designation:

SIHA Aktivkohle GE / SIHA Actiliq GE

REACH No.:

01-2119488894-16

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

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 risks worthy of mention. Please observe the information on the safety data sheet at all times.

Inhalation of dust may cause irritation of the respiratory system.

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

3.1. Substances

Description:

Steam activated carbon (CAS Nr.: 7440-44-0; EC No.: 931-328-0)

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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

In case of skin irritation, consult a physician.

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:

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Consult physician immediately.

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:

Water spray, Foam, Extinguishing powder

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Material will burn in a fire, releasing combustion products of carbon monoxide and carbon dioxide. Other materials adsorbed on to the carbon may also be released.

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. Provide adequate ventilation. Avoid contact with eyes and skin.

Do not breathe dust.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation.

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:

Follow good handling and housekeeping procedures, avoid spills, accumulation of dust and generation of airborne dust. Avoid prolonged contact with skin and eyes; wear protective gloves and safety glasses or goggles.

Provide adequate ventilation.

Fire prevent measures:

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.

Hints on storage assembly:

Do not store together with: Material, combustible. Oxidising agent, Strong acid.

Remove all sources of ignition.

Keep away from heat.

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

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Tightly sealed safety glasses.

Additional eye protection measures: Provide eye shower and label its location conspicuously

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.

Suitable material: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Breakthrough time (maximum wearing time): The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection:

Respiratory protection necessary at: high concentrations

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

Other protection measures:

Protective clothing: Wear personal protection equipment.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

Exposure limit values E: inhalable dust : 6 mg/m³

Inhalation of dust may cause irritation of the respiratory system.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Powder

Colour: black

Odour: none

Safety relevant basis data

parameter		at °C	Method	Remark
pH	3 - 11			
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	> 350 °C			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	250 - 750 g/l			
Water solubility (g/L)	<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

Entzündlichkeit (Feststoff/Gas): Flammable

Explosionsgefahr: Under normal conditions no danger of explosion. Unfavourable conditions may form an explosive dust/air mixture.

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

Heat and ignition sources, contact with strong oxidisers and combustible.

10.5. Incompatible materials

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

Toxicological data are not available.

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Acute dermal toxicity:

Toxicological data are not available.

Acute inhalation toxicity:

Toxicological data are not available.

Skin corrosion/irritation:

Not an irritant.

Eye damage/irritation:

slightly irritant

Respiratory or skin sensitisation:

not sensitising.

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard:

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

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

12.2. Persistence and degradability

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. Other adverse effects

No data available

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.

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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

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

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

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.