

Identification of the substance or preparation:

SIHA Aktivkohle FA

SIHA Aktivkohle UF

Revision date: 20.06.2006 / 27.09.2012 Version: 2 Date of print: 09.10.2012

**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**

SIHA Aktivkohle FA

SIHA Aktivkohle UF

REACH registration No.: 01-2119488716-22-xxxx

Use of the substance/ preparation: Product for Beverage treatment

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**Supplier (manufacturer/importer/
downstream user/distributor): Eaton Technologies GmbHBegerow 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 numberDept. 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

2.2. Label elements**2.3. Other hazards****Possible harmful physico-chemical 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.

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

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**Chemical characterization (preparation):**

Carbon chemically activated (CAS Nr.: 7440-44-0).

Identification of the substance or preparation:

SIHA Aktivkohle FA

SIHA Aktivkohle UF

Revision date: 20.06.2006 / 27.09.2012 **Version:** 2 **Date of print:** 09.10.2012

SECTION 4: First aid measures

4.1. Description of first aid measures**After 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.

Change contaminated, saturated clothing.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media:**

Atomized water. Foam. Extinguishing powder.

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:**

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**Special protective equipment for firefighters:**

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

SECTION 6: Accidental release measures

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

Avoid generation of dust. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe dust.

6.2. Environmental precautions**Environmental measures:**

Do not allow to enter into surface water or drains.

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

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

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling**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.

Identification of the substance or preparation:

SIHA Aktivkohle FA

SIHA Aktivkohle UF

Revision date: 20.06.2006 / 27.09.2012 **Version:** 2 **Date of print:** 09.10.2012

Provide adequate ventilation.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers:**

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

Hints on joint storage:

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)**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:****Remarks:**Exposure limit values: E: inhalable dust : 6 mg/m³

Inhalation of dust may cause irritation of the respiratory system.

8.2. Exposure controls**Respiratory protection:** Respiratory protection necessary at/for: high concentrations

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

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.**Penetration time (maximum wearing period):** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.**Eye protection:** Tightly sealed safety glasses.

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

Body protection: Wear personal protection equipment.**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state:** Powder**Colour:** black**Odour:** none/none**Important health, safety and environmental information:**

		Unit	Method
pH:	1 - 9		
Ignition temperature in °C:	> 350 °C	°C	
Flammability:	<i>Flammable.</i>		
Explosivity:	<i>Under normal conditions no danger of explosion. Unfavourable conditions may form an explosive dust/air mixture.</i>		
Bulk density:	250 - 750	g/l	

9.2. Other information

Identification of the substance or preparation:

SIHA Aktivkohle FA

SIHA Aktivkohle UF

Revision date: 20.06.2006 / 27.09.2012 **Version:** 2 **Date of print:** 09.10.2012

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**10.4. Conditions to avoid**

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

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Acute toxicity:**

Toxicological data are not available.

Irritant and corrosive effects:

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: mild irritant.

Sensitisation:

not sensitising.

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**12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Recommendation:**

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.

Contaminated packaging:**Recommendation:**

Non-contaminated packages may be recycled.

SECTION 14: Transport information

UN-No.: 1362

Identification of the substance or preparation:

SIHA Aktivkohle FA

SIHA Aktivkohle UF

Revision date: 20.06.2006 / 27.09.2012 **Version:** 2 **Date of print:** 09.10.2012**14.1. Land transport (ADR/RID)****Proper Shipping Name:** Activated Carbon**Remark:** Not subject to the class. 4.2 (according to 2.2.42.1.5 ADR) during transport of the product in bags or big bags <3m³.**14.2. Inland waterway craft (ADN/ADNR)****14.3. Sea transport (IMDG)****Proper Shipping Name:** Activated Carbon**Remark:** Not subject to the class. 4.2 (according to 2.2.42.1.5 ADR) during transport of the product in bags or big bags <3m³.**14.4. Air transport (ICAO-TI / IATA-DGR)****Class or Division:** 4.2**Packing Group:** III**Proper Shipping Name:** Activated Carbon**Remark:** Samples: not subjected to class 4.2 (certificate obligatory). In other cases contact us.**14.5. Additional information:**

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Water Hazard Class:** n

SECTION 16: Other information

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