

**Identification of the substance or preparation:**

SIHA Carbogran FA / GE

Revision date: 23.09.2005 / 16.10.2012 Version: 2 Date of print: 16.10.2012

**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 Carbogran FA / GE**

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

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 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.

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

Material, combustible.

**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):**

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Preparation based upon chemically activated carbon agglomerated with clay.

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Preparation based upon steam activated carbon agglomerated with clay.

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**SECTION 4: First aid measures**

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**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.

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:**

Rinse mouth immediately and drink plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed****4.3. Indication of any immediate medical attention and special treatment needed**

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**SECTION 5: Firefighting measures**

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

Foam. Extinguishing powder.

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

in enclosed areas.: Water.

**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:**

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

**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****Personal precautions:**

Avoid generation of dust.

No special measures are necessary.

**6.2. Environmental precautions****6.3. Methods and material for containment and cleaning up****Methods 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**

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

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Keep away from heat.

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

**Further information on storage conditions:**

Quick combustion with liquid oxygen, ozone and powerful oxidants.

**Storage class:** 11**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:**Germany: AGW-Value Dust (alveolar fraction) 3 mg/m<sup>3</sup>. AGW -Wert Dust (respirable fraction) 10 mg/m<sup>3</sup>France: total Dust: VME: 10 mg/m<sup>3</sup>**8.2. Exposure controls****Technical measures:**

No special technical protective measures are necessary.

**Respiratory protection:** Respiratory protection necessary at/for: exceeding exposure limit values, insufficient ventilation.

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

**Hand protection:** Hand protection: not required.**Eye protection:** Eye glasses.**General protection and hygiene measures:**

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

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state:** Dispersible pellets**Colour:** black**Odour:** odourless**Important health, safety and environmental information:**

		Unit	Method
<b>pH:</b>	3 - 6		
<b>Explosion limits (LEL, UEL):</b>	> 20	g/m <sup>3</sup>	ISO 6184/1-VDI 2263-ASTM E 1226
<b>Spontaneously flammable:</b>	<i>Minimum Temperature to Ignite &gt; 500 °C (Norme VDI 2263) Minimum Energy to Ignite: &gt; 1 J (Norme CEI 1241-2-3)</i>		
<b>Explosivity:</b>	<i>Deflagration Class St1 (KSt &lt; 200m.bar/s) (Norm ISO 6184-1). Explosivity Lower Limit &gt; 20 g/m<sup>3</sup> ((Norm ISO 6184/1 - VDI 2263 - ASTM E 1226).</i>		
<b>Vapour pressure:</b>	keinen		
<b>Bulk density:</b>	300 - 500	kg/m <sup>3</sup>	

**9.2. Other information****Additional information:**

Very rapid break up in water. The "powder" which is formed is insoluble.

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No data available

**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**

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.

**Additional information:**

Stable at normal storage temperature.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity:**

To our knowledge, no harmful effects for man under normal conditions of use.

**Acute toxicity:**

CAS No.	Chemical name	LD50: oral	Unit	Species	LD50: dermal	Unit	Species	LC50: inhalat iv	Unit	Species
7440-44-0	carbon	> 10	g/kg	Rat.						

**Specific symptoms in animal studies:**

No data available

**Irritant and corrosive effects:**

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: mild irritant.

**Sensitisation:**

No data available

**Repeated dose toxicity:**

No data available

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

No data available

**SECTION 12: Ecological information****12.1. Toxicity****Aquatic toxicity:**

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

**Further details:**

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

**12.2. Persistence and degradability****Method:**

No data available

**12.3. Bioaccumulative potential**

Monility - in Air: Highly mobile (dust).

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No data available

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

No data available

**12.6. Other adverse effects****General information:**

Insoluble in aqueous solution, the product can be separated by filtration and sedimentation.

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**SECTION 13: Disposal considerations**

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**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.

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**SECTION 14: Transport information**

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**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 <3m<sup>3</sup>.**14.2. Inland waterway craft (ADN/ADNR)****14.3. Sea transport (IMDG)****Proper Shipping Name:** Activated Carbon**Remark:** Not subjected to class 4.2. (2.2.42.1.5 on the ADR) if the product is transported in bags or big bags.**14.4. Air transport (ICAO-TI / IATA-DGR)****Proper Shipping Name:** Activated Carbon**Remark:** Samples: not subjected to class 4.2. (certificate obligatory). In other cases contact us.**14.5. Additional information:**

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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

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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