



**According to Regulation (EC) No. 1907/2006/EC (REACH)  
and 453/2010/EU  
Version 1.5                      Revision date: 01/03/2023**

**SECTION 1: Identification of the Substance/Mixture and of the Company**

**1.1 Product identifier:**

Product name:                      Carbon Clean-up Column for PCB- / Dioxin Analysis

Product no.:                      13809-S, 13809, 13810, 15242, 20777

REACH Registration Number:                      A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Relevant identified uses:

Product for analytical use.

Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0

The exposure scenario is integrated into sections 1-16.

Uses advised against:

not described

**1.3 Details of the supplier of the safety data sheet:**

Company:                      LCTech GmbH  
Daimlerstr. 4  
D-84419 Obertaufkirchen  
Germany  
Tel: +49 8082 2717-0  
Fax: +49 8082 2717-100  
E-mail: info@LCTech.de

**1.4 Emergency telephone number**

Please contact the regional company representation in your country.

Outside Germany (DE): Call your regional Poisons Information Service or call local Life Saving Service.

DE:    Gemeinsames Giftinformationszentrum (GGIZ)  
99089 Erfurt, Tel. +49 361 730730

Missing subsections are not relevant for the risk assessment of the product and may be omitted programmatically.



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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture; Classification (REGULATION (EC) No 1272/2008)

Specific target organ toxicity - repeated exposure, Category 2, Inhalation, H373  
For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)  
*Hazard pictograms*



*Signal word*  
Warning

Contains: free crystalline silicic acid  
Contains: Kieselguhr (contains free crystalline silicic acid)  
CAS-No. 68855-54-9

### 2.3 Other hazards:

None known

## SECTION 3: Composition/Information on Ingredients

CAS-No. 68855-54-9  
EC-No. 272-489-0

### Hazardous components (REGULATION (EC) No 1272/2008)

*Chemical Name (Concentration)*

CAS-No.	Registration number	Classification
Kieselguhr (contains free crystalline silicic acid) (<= 100 %)		
68855-54-9 *)		Specific target organ toxicity - repeated exposure, Category 2, H373

\*) A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

For the full text of the H-Statements mentioned in this Section, see Section 16.



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## **SECTION 4: First Aid Measures**

### **4.1 Description of first aid measures**

#### After INHALATION

Fresh air. Call the physician.

#### After SKIN Contact

Wash off with plenty of water. Remove contaminated clothing.

#### After EYE Contact

Rinse out with plenty of water.

#### After SWALLOWING

Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### **4.2 Most important symptoms and effects, both acute and delayed**

Pneumokoniosis (silicosis)

### **4.3 Indication of any immediate medical attention and special treatment needed**

No information available.

## **SECTION 5: Firefighting Measures**

### **5.1 Extinguishing media**

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

### **5.2 Special hazards arising from the substance or mixture**

Not combustible.

### **5.3 Advice for firefighters**

#### Special protective equipment for firefighters

In the event 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**

#### Advice for non-emergency personnel:

Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

#### Advice for emergency responders:

Protective equipment see section 8.

### **6.2 Environmental precautions**

No special precautionary measures necessary.

### **6.3 Methods and material for containment and cleaning up**

Observe possible material restrictions (see sections 7 and 10).

Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **6.4 Reference to other sections**

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for safe handling**

Observe label precautions

### **7.2 Conditions for safe storage, including any incompatibilities**

Tightly closed. Dry.

Storage temperature: no restrictions.

### **7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## **SECTION 8: Exposure Controls/Personal Protection**

### **8.1 Control parameters**

### **8.2 Exposure controls**

#### Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

#### Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.



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#### *Hygiene measures*

Change contaminated clothing. Wash hands after working with substance.

#### *Eye/face protection*

Safety glasses

#### *Hand protection*

Full contact:

	Glove material:	Nitrile rubber
Glove thickness:	0,11 mm	
Break through time:	> 480 min	
Splash contact:		

	Glove material:	Nitrile rubber
Glove thickness:	0,11 mm	
Break through time:	> 480 min	

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

#### *Respiratory protection*

required when dusts are generated.

Recommended Filter type: Filter P 2 (acc. to DIN 3181) for solid and liquid particles of harmful substances

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

### **Environmental exposure controls**

No special precautionary measures necessary.

## **SECTION 9. Physical and Chemical Properties**

### **9.1 Information on basic physical and chemical properties**

Form	powder
Colour	black
Odour	odourless
Odour Threshold	not applicable
pH	ca. 10
	at 100 g/l
	20 °C
Melting point	No information available.



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Boiling point	No information available.
Flash point	does not flash
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	No information available.
Relative vapour density	No information available.
Relative density	No information available.
Water solubility	< 0,001 g/l at 20 °C
Partition coefficient: n- octanol/water	No information available.
Autoignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity, dynamic	No information available.
Explosive properties	Not classified als explosive.
Oxidizing properties	none

## 9.2 Other data

Ignition temperature	not combustible
Bulk density	300 kg/m <sup>3</sup>

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Seesection 10.3

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

### 10.3 Possibility of hazardous reaction

no information available

### 10.4 Conditions to avoid

no information available

### 10.5 Incompatible materials

no information available

### 10.6 Hazardous decomposition products

no information available



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## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### *Acute inhalation toxicity*

Symptoms: Chronic intoxication:, Pneumokoniosis (silicosis)

#### *Genotoxicity in vitro*

Ames test

Result: negative

(Lit.)

#### *Specific target organ toxicity - single exposure*

The substance or mixture is not classified as specific target organ toxicant, single exposure.

#### *Specific target organ toxicity - repeated exposure*

May cause damage to organs through prolonged or repeated exposure if inhaled.

#### *Aspiration hazard*

Based on available data the classification criteria are not met.

### **11.2 Further Information**

Quantitative data on the toxicity of this product are not available.

Further data:

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No information available.

### **12.2 Persistence and degradability**

No information available.

### **12.3 Bioaccumulative potential**

No information available.

### **12.4 Mobility in soil**

No information available.

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### **12.6 Other adverse effects**

#### *Additional ecological information*

We have no quantitative data concerning the ecological effects of this product.

Further information on ecology

No ecological problems are to be expected when the product is handled and used with due care and attention.



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### **SECTION 13: Disposal Considerations**

#### *Waste treatment methods*

See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

### **SECTION 14: Transport Information**

#### **Land transport (ADR/RID)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

#### **Inland waterway transport (ADN)**

Not relevant

#### **Air transport (IATA)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

#### **Sea transport (IMDG)**

**14.1 - 14.6** Not classified as dangerous in the meaning of transport regulations.

#### **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**

##### *EU regulations*

Major Accident Hazard 96/82/EC

Legislation Directive 96/82/EC does not apply

Occupational restrictions Take note of Dir 94/33/EC on the protection of young people at work. Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

##### *National legislation*

Storage class 10 - 13

#### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.





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## **SECTION 16: Other Information**

### **Full text of H-Statements referred to under sections 2 and 3.**

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

#### **Training advice**

Provide adequate information, instruction and training for operators.

#### **Key or legend to abbreviations and acronyms used in the safety data sheet**

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

#### **Regional representation**

This information is given on the authorised Safety Data Sheet for your country.

### **16.1 Further Information**

LCTech GmbH provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. LCTech GmbH makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly LCTech GmbH will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.