

## Activated Carbon Filters

### 1. Identification

**Product Name:** Activated Carbon Filters

**Item #:** S100, S200, S300, S400, S500, T100, T200, T300, LC100, LC200, LC300, LC400, LC500

**Synonyms:** N/A

**Recommended Use:** Fume Hood/Venting Equipment, Tissue Processors

**Restrictions on Use:** Do Not Puncture. Do not use if mesh is broken, or if granules are escaping enclosure.

**Manufacturer:**

Cancer Diagnostics, Inc.  
4300 Emperor Blvd. #400  
Durham, NC 27703  
1-877-846-5393

**In Case of Emergency:**

Chemtrec US 1-800-424-9300  
Infotrac International 1-352-323-3500

### 2. Hazards Identification

**OSHA Hazard Classification(s):**

Article: These products are considered an Article, as defined in 29 CFR § 1910.1200(c) and are exempt from labeling requirements defined in 29 CFR §1910.1200 Appendix C. The values listed below are provided as a courtesy in the event a unit is damaged and is leaking from the enclosure.

**Signal Word:** Warning

**Hazard Statement(s):** May form combustible dust concentrations in air

**Pictogram(s):** N/A

**Precautionary Statement(s):** N/A

**Descriptions of Hazards not otherwise classified:** Combustible dust

**Percent of mixture with unknown acute toxicity:** N/A

**Route(s) of Entry:**

Ingestion: Carbon is non-toxic through ingestion.

Inhalation: The physical nature of carbon may irritate the respiratory system.

Skin: Carbon is non-toxic through skin absorption.

Eye Irritation: The physical nature of carbon may cause eye irritation.

### 3. Composition and Information on Ingredients

**Substances**

Synonyms: Charcoal activated (Steam activated)

Formula: C

Molecular weight: 12.01 g/mol

CAS-No.: 7440-44-0

EC-No.: 231-153-3

No components need to be disclosed according to the applicable regulations.

### 4. First Aid Measures

**Description of first aid measures**

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin Contact: Wash off with soap and water.

Eye Contact: Remove contact lens. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed:** No data available.

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### 5. Fire- Fighting Measures

#### Extinguishing media

Suitable extinguishing media: Foam; Carbon dioxide; Alcohol-resistant foam, Dry chemical powder; Water spray

**Special hazards arising from the substance or mixture:** Carbon Oxides.

**Advice for firefighters:** Use self-contained breathing apparatus if necessary

### 6. Accidental Release Measures

#### Emergency Procedures:

#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

**Environmental precautions:** No special environmental precautions required.

**Methods and material for containment and cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal

**Reference to other sections:** For disposal see section 13

### 7. Handling and Storage

#### Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

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

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

**Specific end use(s):** Apart from the uses mentioned in section 1, no other specific uses are stipulated.

### 8. Exposure Controls/Personal Protection

#### Control parameters

Components with workplace control parameters  
Contains no substances with occupational exposure limit values.

#### Exposure controls

Appropriate engineering controls: General industrial hygiene practice.

#### Personal Protective Equipment:

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Full contact

Material: Nitrile rubber  
Minimum layer thickness: 0.11 mm  
Break through time: 480 min  
Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

#### Splash contact

Material: Nitrile rubber  
Minimum layer thickness: 0.11 mm  
Break through time: 480 min  
Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)  
data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

*If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.*

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**Body Protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### 9. Physical and Chemical Properties Section

**Form/Color:** Powder, Granular, or extruded pellet / Black  
**Odor:** N/A  
**Odor Threshold:** N/A  
**pH:** N/A  
**Boiling Point and Boiling Range:** No data available  
**Melting Point/Freezing Point:** 3,550 °C (6,422 °F)  
**Decomposition Temperature:** N/A  
**Flash Point:** N/A  
**Auto-ignition temperature:** >400 °C  
**Explosive properties:** N/A  
**Oxidising properties:** N/A  
**Flammability (solid/gas):** May form combustible dust concentrations in air  
**Upper/Lower flammability or explosive limits:** N/A  
**Relative Density:** 1.8 - 2.1 g/cm<sup>3</sup>  
**Vapor Pressure:** 1 hPa (1 mmHg) at 25 °C (77 °F)  
**Evaporation Rate:** N/A  
**Specific Gravity/Relative Density:** 1.8-2.1  
**Solubility in water:** Insoluble  
**Solubility:** N/A  
**Viscosity:** N/A  
**Other:** N/A

### 10. Stability and Reactivity

**Reactivity:** N/A  
**Chemical stability:** Stable under recommended storage conditions  
**Possibility of hazardous reactions:** N/A  
**Conditions to avoid:** N/A  
**Incompatible Materials:** Strong Oxidizing agents  
**Hazardous Decomposition Products:** N/A  
**In the event of fire:** see section 5

### 11. Toxicological Information

#### Information on toxicological effects

**Acute toxicity:** No data available  
**Inhalation:** No data available  
**Dermal:** No data available  
**LD50 Intravenous - Mouse - 440 mg/kg**  
**Skin corrosion/irritation:** No data available  
**Serious eye damage/eye irritation:** No data available  
**Respiratory or skin sensitization:** No data available  
**Germ cell mutagenicity:** No data available

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### Carcinogenicity

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

Reproductive toxicity - Rat – Subcutaneous

### Effects on Fertility:

**Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants):** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

### Additional Information

RTECS: Not available

*To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.*

## 12. Ecological Information

**Toxicity:** No data available

**Bioaccumulative potential:** No data available

**Persistence and degradability:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 13. Disposal Considerations

### Waste treatment methods:

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

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### 14. Transport Information

<b>14.1 UN Number DOT, IATA,IMDG, ADR</b>	<b>DOT:</b> Not Regulated for Transport by DOT. <b>ADR/RID:</b> Not Regulated for Transport by ADR/RID. <b>IMDG:</b> Not Regulated for Transport by IMDG. <b>IATA:</b> Not Regulated for Transport by IATA.
<b>14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR</b>	<b>ADR/RID:</b> Not Regulated for Transport by ADR/RID. <b>IMDG:</b> Not Regulated for Transport by IMDG. <b>IATA:</b> Not Regulated for Transport by IATA. <b>DOT:</b> Not Regulated for Transport by DOT.
<b>14.3 Transport Hazard Class(es)</b>	<b>DOT:</b> Not Regulated for Transport by DOT. <b>IATA:</b> Not Regulated for Transport by IATA. <b>IMDG:</b> Not Regulated for Transport by IMDG. <b>ADR/RID:</b> Not Regulated for Transport by ADR/RID.
<b>14.4 Packing Group DOT, IATA,IMDG, ADR</b>	<b>ADR/RID:</b> Not Regulated for Transport by ADR/RID. <b>IMDG:</b> Not Regulated for Transport by IMDG. <b>IATA:</b> Not Regulated for Transport by IATA. <b>DOT:</b> Not Regulated for Transport by DOT.
<b>14.5 Environmental Hazards</b>	<b>Marine Pollutant:</b> No
<b>14.6 Special Precautions for User</b>	Not applicable.

### 15. Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Right To Know Components: Activated Carbon (Cas# 7440-44-0)

Massachusetts: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania: No components are subject to the Massachusetts Right to Know Act.

New Jersey: No components are subject to the Massachusetts Right to Know Act.

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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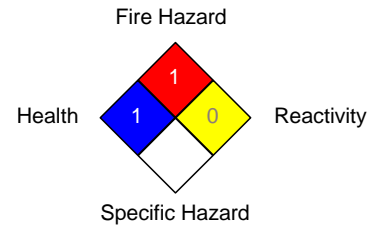
### 16. Other Information

Revision Date: 2019-01-11

#### NFPA

Health	1
Fire Hazard	1
Reactivity	0
Specific Hazard	

National Fire Protection Association (USA) NFPA



#### HMIS

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	

Hazardous Material Information System HMIS

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	

#### Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.