



**SAFETY DATA SHEET**  
Activated carbon (charcoal)

Page: 1

Compilation date: 22/04/2021

Revision No.: 1EN

**Section 1: Identification of the substance/mixture and of the company undertaking**

**1.1. Product identifier**

**Product name:** Terrarium Activated Carbon (charcoal)  
**CAS number:** 7740-44-0  
**EINECS number:** 231-153-3

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

**Use of substance/mixture:** Terrarium additive.

**1.3. Details of the supplier of the Safety Data Sheet**

**Company name:** Growth Technology Ltd  
Great Western Way  
Taunton  
TA2 6BX  
United Kingdom  
**Tel:** +44 (0)1823 325291  
**Email:** [info@growthtechnology.com](mailto:info@growthtechnology.com)

**1.4. Emergency telephone number**

**Emergency Tel:** +44 (0)1823 325291  
(Office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** This product has no classification under CLP.

**2.2. Label elements**

**Label elements:** This product has no label elements.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.1. Substances**

**Molecular weight:** 12.01 g/mol

**Section 4: First aid measures**

**4.1. Description of first aid measures**

[cont...]

# SAFETY DATA SHEET

## Activated carbon (charcoal)

Page: 2

**Skin contact:** Wash with plenty of soap and water

**Eye contact:** Bathe the eye with running water for 15 minutes. Remove contact lenses if present and easy to do so.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** May cause irritation in susceptible persons.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** Exposure may cause coughing or wheezing.

**Delayed/immediate effects:** None expected.

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

**Immediate / special treatment:** None required.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedure

**Personal precautions:** Avoid dust formation. Avoid breathing dust. Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** No special precautions.

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

**Clean-up procedures:** Use methods to clean spill which avoid creating airborne dust. Avoid breathing dust by using adequate ventilation.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

[cont...]

# SAFETY DATA SHEET

## Activated carbon (charcoal)

Page: 3

**Handling requirements:** Avoid formation of dusts.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep away from direct sunlight.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** Terrarium additive.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No specific limit. Generic applicable limits for airborne dusts will apply.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Respiratory protection:** Respiratory protection should be worn where dust levels are high enough to cause irritation.

**Hand protection:** Nitrile gloves recommend for full contact with the substance. Minimum thickness: 0.11mm.  
Minimum breakthrough time: 480 minutes.

**Eye protection:** Protective eye wear should be worn where dust levels are high enough to cause irritation. EN 166.

**Skin protection:** Nitrile gloves recommend for full contact with the substance. Minimum thickness: 0.11mm.  
Minimum breakthrough time: 480 minutes.

## Section 9: Physical and chemical properties

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

**State:** Solid powder

**Colour:** Black

**Odour:** Characteristic odour

**Solubility in water:** Insoluble

**Relative density:** 1.8 – 2.1 g/cm<sup>3</sup>

**Vapour pressure:** 1 hPa at 25°C

**Melting point:** 3,550°C

### 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions

### 10.2. Chemical stability

[cont...]

**SAFETY DATA SHEET**  
Activated carbon (charcoal)

Page: 4

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4. Conditions to avoid**

**Conditions to avoid:** Not applicable.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:**

Route	Species	Test	Value	Units
Intravenous	Mouse	LD50	440	mg/kg

**Symptoms / routes of exposure**

**Skin contact:** May cause irritation in susceptible persons.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** Exposure may cause coughing or wheezing.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** Insoluble in water.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

[cont...]

**SAFETY DATA SHEET**  
Activated carbon (charcoal)

Page: 5

**12.6. Other adverse effects**

**Other adverse effects:** Not applicable.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Deposit into or on to land (e.g. landfill, etc.)

**Recovery options:** Not applicable.

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.  
\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.