



# BIG K Products (UK) Limited

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## PRODUCT SAFETY DATA SHEET

Product	Charcoal
Issues By	Big K Products UK Ltd
Version and Date	V1 4 <sup>th</sup> July 2017
Supersedes Date	NA

### 1. SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Identifier

Product Name Charcoal  
Product Number Various  
CAS No: 16291-96-6  
EC No: 240-383-3  
Reach Registration No: 01-2119560590-41-0013

#### 1.2. Relevant Identified uses of the substance or mixture and uses advised against

Identified Uses Fuel for use on barbecue  
Uses advised against burning of charcoal without sufficient ventilation eg. For barbecue or heating application and all uses indoors.

#### 1.3. Details of the supplier of the safety Data Sheet

Supplier Big K Products UK Ltd (Head Office)  
Unit 20 Milmead Industrial Centre  
Mill Mead Road, N17 9QU  
+44 (2)208 808 6336

Contact person [sales@bigk.co.uk](mailto:sales@bigk.co.uk)

Manufacturer Big K Products UK Ltd (Factory)  
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#### 1.4. Emergency Contact Number

Emergency number +44 (1366) 500 147  
Emergency email [products@bigk.co.uk](mailto:products@bigk.co.uk)

### 2. SECTION 2 : HAZARDS IDENTIFICATION

Registered in England No. 1549574

This letter is confidential to the intended recipient and only valid if sent from a genuine Big K Email address.



ISO 9001:2008  
Certificate No. FM 40384

## 2.1. Classification of the substance or mixture

Regulation (EC) No. 1272 / 2008

Not classified as hazardous for supply / use

## 2.2. Label Elements according to Regulation EC No. 1272/3008 CLP

This product is not subject to labelling.

Hazard Pictogram None

Signal Words None

Hazard Statement None

Precautionary Statement None

Supplementary information Carbon Monoxide warning, Directions for use, Food Safety Warnings.

## 2.3. Other hazards

2.3.1. The substance does not meet the PBT/VPvB criteria according to REACH, annex XIII

2.3.2. The product is combustible and releases toxic carbon monoxide and other potentially hazardous gases during combustion. Carbon monoxide is odourless and can kill. There must always be adequate ventilation with burning charcoal.

2.3.3. Dust formation, do not breath dust.

2.3.4. Charcoal may represent a fire hazard, due to the potential self-heating and spontaneous combustion. This applies particularly when recently produced charcoal is stocked in larger quantities, in bulk, at high moisture levels and with inadequate ventilation and has not had time to cool down from the charcoal process. However, the risks of self-heating and spontaneous combustion for this product, stored and ambient temperature, in commercial size bags, are not significant.

2.3.5. Contact with hot product may cause burns

## 3. SECTION 3 : COMPOSITION/INFROMATION ON INGREDIENTS

### 3.1. Substance

**Product Name** Lumpwood charcoal

**Product Description** Black, amorphous solid

**Chemical Characterization** Charcoal is the residue of solid, untreated wood, produced during carbonization under exclusion of air and a minimum temperature of 300 degrees Celsius. The proportion of elemental carbon is normally  $\geq 75\%$  with low concentrations of other elements including O, H and N.

**Substances** EU Classification No 1272/2008

Chemical Name	%	Cas No	EC No.	Reach Registration No.	Hazard Pictogram and Statement
Charcoal	100	16291-96-6	240-383-3	01-2119560590-41-0013	None

#### **4. SECTION 4 : FIRST AID MEASURES**

##### **4.1. Description of First Aid Measures**

<b>General</b>	Remove person from source of problem. Move them to fresh air and keep warm and if necessary in the recovery position. First Aider to pay attention to self protection.
<b>Inhalation</b>	Remove patient to fresh air. If necessary seek medical advice.
<b>Ingestion</b>	Do not Induce vomiting. Wash out mouth with water. Seek medical advice immediately.
<b>Skin Contact</b>	Wash immediately with soap and water if in contact with the fuel.
<b>Eye Contact</b>	Rinse immediately and thoroughly with water or eyebath. Seek medical attention if irritation persists.

##### **4.2. Most important Symptoms and effects**

Mechanical irritation of the eyes after contact with large amounts of charcoal dust.

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

No special requirements. Treat symptomatically.

#### **5. SECTION 5 : FIREFIGHTING MEASURES**

##### **5.1. Extinguishing media**

Charcoal will support combustion in a serious fire. The products of combustion are carbon dioxide and carbon monoxide.

**Suitable Extinguishing media** Water Spray, dry powder, foam or carbon dioxide

**Unsuitable Extinguishing media** Water Jet as this may cause particles to travel

##### **5.2. Special Hazards arising from mixture**

Charcoal is not classified as flammable but burns at high temperatures ( >285 degrees celcius).

Carbon monoxide and carbon dioxide, potentially hazardous gases, may be released in the case of a fire.

Explosive dust air mixtures may form.

##### **5.3. Advice for Firefighters**

Wear self-contained breathing apparatus and suitable protective clothing.

#### **6. SECTION 6 : ACCIDENTAL RELEASE MEASURES**

##### **6.1. Personal Precautions, protective equipment and emergency procedures.**

Wear suitable protective clothing.  
Remove all sources of ignition.  
Knock down dust with water sprays  
Where dust levels cannot be controlled, wear respiratory protective clothing.

#### **6.2. Environmental Precautions**

Avoid discharge to groundwaters, surface and drains.

Avoid creating dust clouds.

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

<b>Disposal</b>	Ensure product is cold before disposing of through licensed means. Do not hose or wash spilt product into drains or waterways May be disposed of in general waste in accordance with local authority regulations
<b>Spills</b>	Product can be cleared up by mechanical or manual means.

### **7. SECTION 7 : HANDELING AND STORAGE**

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

- Normal handling procedures should be applied.
- Avoid generation of dust
- Only suitable for barbecue use.
- Only to be used in well ventilated areas OUTDOORS.
- Packaging instructions must be followed for when product is in use
  - Ensure BBQ positioned safely and off flat surfaces to allow ventilation and prevent burning ie on bricks
  - Use correct BBQ lighting fluids to ignite
  - Never add fire liquid or similar products to a lit barbecue
  - Never light indoors or in an enclosed area
  - Never leave a lit barbecue unattended
  - Never move a lit barbecue and ensure ashes are cooled before cleaning

This product whilst in use will give off a high heat

#### **7.2. Condition for safe storage**

- Must be stored in clean dry conditions away from children and animals and away from oxidizing agents.
- Must be stored away from open flames, heat sources and other ignition sources.
- Store in Ambient temperatures
- Do not store near other oxidizing agents.

#### **7.3. Specific Uses**

Fuel for Barbecues

### **8. SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION**

8.1. **Protective Equipment** None needed if packaging instructions followed

8.2. **Exposure Controls**

8.2.1. Eye Face Protection	None required within recommended use. Use safety goggles with dust development.
8.2.2. Hand Protection	Use hand protection during prolonged skin contact
8.2.3. Other skin and body protection	Wear suitable clothing whilst using charcoal. If dust Concentration exceeds 10mg/m <sup>3</sup> an overall must be worn.
8.2.4. Hygiene Measures	Wash hands after use. Do not eat and drink whilst using
8.2.5. Respiratory Protection	Not required in normal use. If dust concentration exceeds 10mg/m <sup>3</sup> a dust mask must be worn.
8.2.6. Environmental Exposure	Used outside in well ventilated areas only.

9. **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1. **Information on basic chemical properties**

9.1.1. **Charcoal**

Form	Solid
Appearance	Black amorphous solid
Odour	Odourless
Odour threshold:	Not applicable
pH:	Not applicable
Melting point	3250 degrees Celsius
Boiling Point	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability	Not flammable under UN Hazard Class 4.1
Upper/lower flammability limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density	Not applicable
Density at 20 degc	1.4-1.5g/cm <sup>3</sup> OECD109
Water Solubility	<0.0046g/L EU method A6 at 22.4 deg c
Partition Coefficient	<1.44
Auto Ignition temperature	>230 degrees celcius
Decomposition temperature	No data
Viscosity	Not applicable
Explosive Properties	Non explosive
Oxidising properties	Not oxidising

9.2 **Other information**

None

10. **SECTION 10 : STABILITY AND REACTIVITY**

10.1. **Stability** Stable under regular conditions.

10.2. **Chemical Stability** when stored and handled appropriately

<b>10.3. Possibility of hazardous reactions</b>	When properly used, no hazardous reactions are expected.
<b>10.4. Conditions to avoid</b>	Keep away from heat/sparks/open flames/hot surfaces. No Smoking.
<b>10.5. Incompatible materials</b>	Oxidizing agents. Strong.
<b>10.6. Hazardous decomposition products</b>	May produce hazardous fumes such as carbon monoxide and carbon dioxide

## 11. **SECTION 11 : TOXICOLOGICAL EFFECTS**

This product is unlikely to represent a significant health hazard under normal conditions of use.

### **Toxicokinetics, Metabolisms and distribution**

It is not expected for charcoal to be systematically available in significant quantities.

- a) Acute toxicity  
Based on available data the classification criteria are not met.  
Based on a study on acute inhalation toxicity on rats, charcoal is not classified as acutely toxic.  
It is assumed that dermal and oral exposures will not cause acute toxicity as charcoal is not systemically available in these ways.
- b) Skin Corrosion/Irritation  
Based on available data, the classification criteria are not met  
No corrosive or irritating dermal effects
- c) serious eye damage/irritation  
Light mechanical eye irritation due to charcoal dust possible.
- d) respiratory/skin sensitisation      Based on available data, the classification criteria are not met  
No sensitizing effects known.
- e) germ cell mutagenicity      Based on available data, the classification data are not met.
- f) carcinogenicity  
Based on available data, the classification data are not met.
- g) reproductive toxicity  
Based on available data, the classification data are not met.
- h) STOT-single exposure  
Based on available data, the classification data are not met.
- i) STOT-repeated exposure  
Based on available data, the classification data are not met.
- j) Aspiration Hazard  
Based on available data, the classification data are not met.

## 12. **SECTION 12 : ECOLOGICAL INFORMATION**

<b>12.1. Toxicity</b>	Charcoal is soluble in water only in very small quantities, thus as discharge into the environment is very unlikely.
<b>12.2. Persistence and Degradability</b>	Under test conditions no biological decomposition was observed.
<b>12.3. Bio accumulative potential</b>	Charcoal has no bio accumulative potential (log POW <1.44)
<b>12.4. Mobility in soil</b>	No Data available
<b>12.5. Results of PBT and vPvB assessment</b>	This substance does not meet the criteria for classification as PBT or vPvB
<b>12.6. Other adverse effects</b>	No data available

### **13. SECTION 13 : DISPOSAL CONSIDERATIONS**

#### **13.1. General Information**

Always make sure ashes are cold before disposing in general waste, in accordance with local authority regulations.  
Do not wash into drains or waterways.

#### **13.2. Waste Class**

This product is classed as Non Hazardous waste

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

This product is not classified as dangerous goods if carried in packages of less than 3m<sup>3</sup>

This product is exempted from the provisions of the IMDG code in accordance with Special Provision 925

14.1. UN Number	1361 , (SP925)
14.2. UN Proper shipping name	Carbon, animal or vegetable origin
14.3. Transport Hazard class	4.2
14.4. Packing group	III
14.5. Environmental hazards	No
14.6 Special Precautions	No special precautions known.

### **15. SECTION 15 : REGULATORY INFORMATION**

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

All components are listed as existing substances in Europe

National Regulations The UK Clean Air Act 1993

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

### **16. SECTION 16 : OTHER INFORMATION**

Revision Comments	New Issue
Issued By	Big K Products
Revision Date	22 <sup>nd</sup> May 2017
Revision	1

**Disclaimer:**

Information provided in this Safety Data sheet is believed to be accurate at the time of issue and is given in good faith. The user of the product must ensure the product is suitable for their own particular use. Product users are responsible for the safe handling, storage, use and disposal of the product. Big K Products Ltd accepts no liability for loss, or damage or expense, resulting from reliance on this information.

