

CPL DISTRIBUTION LIMITED
PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Product Name:	Charcoal briquettes.
Trade Name(s):	Supagrill Barbecue Briquettes.
Chemical Formula:	Mixture.
CAS No.	Mixture.
EC No.	Mixture.
REACH Registration No.	Mixture.

1.2 Relevant identified uses and uses advised against

Identified use(s):	Fuel for barbecues.
Use(s) advised against:	Currently not identified.

1.3 Details of supplier of safety data sheet

Company Identification:	CPL Distribution Ltd. Westthorpe Fields Road Killamarsh Sheffield S21 1TZ England
Telephone:	+44 (0)1246 277001
E-mail:	SDS@cplindustries.co.uk

1.4 Emergency telephone number 0800 716 656 (Product helpline).
Weekdays, 08.00 – 20.00.
Saturday, 09.00 – 12.00.
For product information and safety data sheets.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 CLP: Not classified as hazardous for supply/use.

2.1.2 Directive 67/548/EEC and Directive 1999/45/EC Not classified as dangerous for supply/use.

2.2 Label elements according to Regulation (EC) No. 1272/2008 (CLP)

Product Name:	Charcoal briquettes.
Hazard Pictogram(s):	None.
Signal Word(s):	None.
Hazard Statement(s):	None.
Precautionary Statement(s):	P102, P210, P271, P402, P403.

2.3 Other hazards

a) The product is combustible and releases toxic carbon monoxide and other potentially hazardous gases during combustion. Carbon monoxide is odourless and can kill. Harmful

fumes may accumulate without adequate ventilation. NEVER burn charcoal inside homes, vehicles, tents or in other enclosed spaces with inadequate ventilation.

- b) Ignite the product using proprietary barbecue lighter fuels (i.e. cubes, blocks, fluids or gels). NEVER use petrol, alcohol or other volatile substances. Also, NEVER add lighter fluid or other flammable liquids to a lit barbecue.
- c) Charcoal may represent a fire hazard, due to 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. The risk increases with increasing storage temperature.

However, the risks of self-heating and spontaneous combustion for charcoal briquettes, stored at ambient temperature, in bags of commercially available sizes, are not significant.

- d) Store away from heat, ignition sources, combustible materials and oxidising agents.
- e) Contact with burning product or hot products of combustion may cause burns.

2.4 Additional information

- a) Refer to Section 16 for the full text of hazard statements, precautionary statements and risk phrases.

3. COMPOSITION/INFORMATION ON INGREDIENTS

A black briquette, comprising mainly charcoal with (possibly) low concentrations of additives, bound with starch.

The main component, charcoal, is a black, amorphous solid form of carbon produced by the partial burning or oxidation of wood or other organic matter. Charcoal comprises mainly elemental carbon with low concentrations of other elements (including trace metals) and mineral matter.

Starch is a polysaccharide comprising glucose monomers.

3.1 Mixture

EC Classification No. 1272/2008

Ingredients	% (w/w)	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
Charcoal	>80	16291-96-6	240-383-3	01-2119560590-41-0035	None
Starch	<10	9005-25-8	232-679-6	None	None

EC Classification No. 67/548/EEC

Ingredients	% (w/w)	CAS No.	EC No.	REACH Registration No.	Classification and Risk Phrase(s)
Charcoal	>80	16291-96-6	240-383-3	01-2119560590-41-0035	None
Starch	<10	9005-25-8	232-679-6	None	None

3.2 Additional Information

- a) The compositions given above pertain to the feedstock blend used in the manufacture of the product. It should be noted that the starch component undergoes physical and chemical transformation during the briquette production process.
- b) Refer to Section 16 for the full text of hazard statements and risk phrases.

4. **FIRST AID MEASURES**

4.1 **Description of first aid measures**

Inhalation (dust):	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if necessary.
Inhalation (combustion gases):	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Treat symptomatically. Get medical advice/attention.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Give water to drink. Get medical advice/attention.

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

Inhalation of combustion products can result in carbon monoxide poisoning. Symptoms include nausea, dizziness, tiredness, headaches, stomach and chest pains. High levels of exposure can result in unconsciousness and death.

Contact with burning product or hot products of combustion may cause burns.

Dust contact with eyes, skin, respiratory and digestive tracts may cause irritation.

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

No special requirements. Treat symptomatically.

5. **FIRE FIGHTING MEASURES**

5.1 **Extinguishing media:**

Suitable Extinguishing Media: Water spray, dry powder, foam or carbon dioxide.

Unsuitable Extinguishing Media: Water in confined spaces (risk of combustible and explosive gases formation).

5.2 **Special hazards arising:**

Carbon dioxide, carbon monoxide and other potentially hazardous gases may be released on combustion.

Charcoal is associated with risks of 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. The risks increase with increasing storage temperature. However, the risks of similar hazards for charcoal briquettes, stored at ambient temperature, in bags of commercially available sizes, are not significant.

When water is used as the extinguishing media, steam generated may react with the burning fuel to form

combustible and explosive gases (carbon monoxide and hydrogen). Beware in confined spaces.

Dusts may represent an explosion hazard if in contact with heat or an ignition source.

- 5.3 Advice for fire-fighters:** Fire-fighters should wear complete protective clothing/equipment, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures:** Avoid creating dust clouds and do not inhale dusts. Where dust levels cannot be controlled, wear respiratory protective equipment of an approved standard.

Avoid contact with eyes and skin.

- 6.2 Environmental precautions:** Avoid discharge to drains, surface and groundwaters.

Avoid creating dust clouds.

- 6.3 Methods for containment and cleaning up:** Spilt product may be recovered by mechanical or manual means (e.g. shovelling, vacuuming, or sweeping), wearing suitable protective clothing if dealing with large quantities.

Avoid creating dust clouds, maintain adequate ventilation and keep away from heat and ignition sources.

Recovered material may be re-used if not damaged or contaminated. Otherwise, recovered product should be disposed of through licensed routes.

- 6.4 Reference to other sections:** See also Sections 8 and 13.

7. HANDLING & STORAGE

- 7.1 Precautions for safe handling:** Avoid creating dust clouds. Where dust concentrations cannot be controlled, wear respiratory protective equipment of an approved standard.

Minimise contact with eyes and skin.

Keep the product in its original packaging and tightly close the packaging prior to safe storage.

When using the fuel:

- NEVER burn charcoal inside homes, vehicles, tents or other enclosed spaces with inadequate ventilation. Products of combustion include carbon monoxide which is odourless, toxic and can kill.

- Always ensure that the barbecue is positioned on a hard, level surface, well away from dry vegetation and other combustible materials.

- Always ignite the fuel using proprietary barbecue lighter fuels (i.e. cubes, blocks, fluids or gels). Never use petrol, alcohol or other volatile substances.
- Never add lighter fluid or other flammable liquids to a lit barbecue.
- Never put the lid on a barbecue before the flames have died down.
- Never leave a lighted barbecue unattended.
- Never move a lighted barbecue.
- Always ensure that ashes and other residues are completely extinguished and cooled before disposal.
- Dispose of ashes responsibly. Help to protect the environment.

7.2 Conditions for safe storage: Store in its original packaging, in a cool, dry, well ventilated area, away from ignition sources, heat sources, combustible and incompatible materials.

Storage temperature: Ambient. The product is combustible.
 Storage life: Stable under normal conditions.
 Incompatible materials: Oxidising agents.

7.3 Specific end uses: Fuel for barbecues.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Substance	CAS No.	LTEL (8 hr TWA mg.m ⁻³) Inhalable	LTEL (8 hr TWA mg.m ⁻³) Respirable	Note
Dust in the form of:- Charcoal	16291-96-6	10	4	WEL
Starch	9005-25-8	10	4	WEL

Substance	CAS No.	LTEL (8hr TWA mg.m ⁻³)	STEL (15 min ref. mg.m ⁻³)	Note
Carbon monoxide*	630-08-0	35	232	WEL

* = Carbon monoxide is a product of incomplete combustion.

8.1.2 Biological limit values: Carbon monoxide: 30 ppm in end-tidal breath (BMGV, post shift).

8.1.3 DNELs and PNECs:

DNEL values: Charcoal

Potential Exposure	Exposure Type	Value
Workers	Inhalation – Long term – Systemic effects	10 mg/m ³
Workers	Inhalation – Long term – Local effects	10 mg/m ³
Workers	Dermal – Long term – Systemic effects	14.3 mg/kg bw/day
General population	Inhalation – Long term – Systemic effects	10 mg/m ³
General population	Inhalation – Long term – Local effects	10 mg/m ³

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Ensure adequate ventilation.

8.2.2 Personal protective equipment:

Face/eye protection: Not normally required, but eye protection is advisable if airborne dust is anticipated.

Skin protection: Not normally required. Wear suitable gloves if prolonged skin contact is likely.

Respiratory protection: Not normally required. However, where excessive dust cannot be controlled, wear respiratory protective equipment of an approved standard.

Thermal hazards: Not applicable.

8.2.3 Environmental exposure controls: No special requirements.

9. PHYSICAL & CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Form	:	Solid.
Appearance	:	Briquettes comprising a black, amorphous solid.
Odour	:	Odourless.
Odour threshold (ppm)	:	Not established.
pH (value)	:	Not established.
Melting point (°C)	:	Not applicable.
Boiling point (°C)	:	Not applicable.
Flash point (°C)	:	Not available.
Evaporation rate	:	Not applicable.
Flammability	:	Not classified as flammable.
Explosive limit ranges	:	Not established.
Vapour pressure (mm Hg)	:	Not applicable.
Vapour density	:	Not applicable.
Relative density	:	Not available.
Solubility (water)	:	Not available.
Solubility (other)	:	Not available.
Partition coefficient	:	Not available.
Auto-ignition temperature (°C)	:	Not available.
Decomposition temperature (°C)	:	Not available.
Viscosity (mPa.s)	:	Not applicable. The product is solid.
Explosive properties	:	Product not explosive, although dusts may form explosive mixtures with air.
Oxidising properties	:	Not oxidising.

9.2 Other information : None.

10. STABILITY & REACTIVITY

10.1 Reactivity	:	Stable under normal conditions.
10.2 Chemical stability	:	Stable under normal conditions.
10.3 Possibility of hazardous reactions	:	May liberate asphyxiating and toxic gases on combustion, including carbon monoxide. Possible hazardous reactions with oxidising agents.
10.4 Conditions to avoid	:	During handling, transportation and storage keep away from heat, ignition sources, oxidising agents and moisture. Avoid creating dust clouds.
10.5 Incompatible materials	:	Oxidising agents.
10.6 Hazardous decomposition products	:	Products of combustion include carbon monoxide, carbon dioxide and particulate matter.

11. TOXICOLOGICAL INFORMATION

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

11.1 Information on toxicological effects**11.1.1 Mixture****Acute toxicity**

Ingestion	:	Unlikely to be hazardous if swallowed.
Inhalation	:	Unlikely to represent an acute hazard. Charcoal LC ₅₀ (4hr) >4.97 mg/l (rat).
Skin contact	:	Unlikely to cause harmful effects.
Eye contact	:	Dust may cause mechanical irritation.
Irritation	:	Frequent or prolonged contact may cause skin irritation.
Corrosivity	:	Not classified.
Sensitisation	:	Unlikely to be sensitising to the skin.
Repeated dose toxicity	:	No information available.
Carcinogenicity	:	Unlikely to present a carcinogenic hazard to humans.
Mutagenicity	:	Unlikely to have mutagenic effects.
Toxicity for reproduction	:	Unlikely to have reproductive effects.

11.2 Other information	:	During combustion the product can release toxic, asphyxiating and irritant gases, including carbon monoxide, carbon dioxide and hydrocarbons.
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12. ECOLOGICAL INFORMATION

12.1 Toxicity	:	Expected low toxicity to aquatic organisms.
12.2 Persistence and degradability	:	No information available.
12.3 Bioaccumulative potential	:	Charcoal - No potential for bioaccumulation.
12.4 Mobility in soil	:	Low solubility in water and expected low mobility.
12.5 Results of PBT and vPvB assessment	:	Not classified as PBT or vPvB.
12.6 Other adverse effects	:	The product releases carbon dioxide and potentially other greenhouse gases during combustion. However, the use of renewable feedstocks serves to mitigate environmental impact.

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** : Recover or recycle if possible. Dispose of wastes in accordance with local regulation.
- Ensure ashes and other residues are cold before disposal.
- 13.2 Additional information** : None.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

- 14.1 UN number** : Not applicable.
- 14.2 UN proper shipping name** : Not applicable.
- 14.3 Transport hazard class(es)** : Not applicable.
- 14.4 Packing group** : Not applicable.
- 14.5 Environmental hazards** : No information available.
- 14.6 Special precautions for user** : No information available.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable.

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation**
- 15.1.1 EU regulations** : None known.
- 15.1.2 National regulations** : The UK Clean Air Act 1993 applies.
- 15.2 Chemical Safety Assessment:** Not available.

16. OTHER INFORMATION

Section 14 of this Safety Data Sheet was revised on the 20 May 2015, taking into account data from tests to determine the transport hazard classification of the product. The Safety Data Sheet has been prepared in a standardised format compliant with the REACH Regulations.

LEGEND

- WEL : Workplace Exposure Limit (UK HSE EH40).
- LTEL : Long Term Exposure Limit.
- STEL : Short Term Exposure Limit.
- TWA : Time Weighted Average.
- BMGV : Biological Monitoring Guidance Value.
- DNEL : Derived No Effect Level.
- PNEC : Predicted No Effect Concentration.
- PBT : Persistent Bioaccumulative and Toxic.
- vPvB : Very Persistent and Very Bioaccumulative.

Hazard Statement(s) and Precautionary Statement(s)

- P102 : Keep out of reach of children.
- P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 : Use only outdoors or in a well-ventilated area.

P402 : Store in a dry place.
P403 : Store in a well-ventilated place.

Information contained in this Product Safety Data Sheet is believed to be accurate as at the date of issue and is given in good faith, but it is for users of this product to ensure that the product is suitable for their own particular purpose. Product users are responsible for the safe handling, storage, use and disposal of the product. CPL Distribution Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. CPL Distribution Ltd accepts no liability for loss, or damage (other than that arising from death or personal injury) or expense, resulting from reliance on this information. Freedom from patent, copyright and design rights must not be assumed and no authorisation by CPL Distribution Ltd is given nor implied to use or to practice any such rights. This Product Safety Data Sheet was prepared and is to be used only for this product.