

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

1.1 Product identifier

Trade name: **CHARCOAL POWDER**

EC number: 240-383-3

CAS number: 16291-96-6

REACH Registration number: 01-2119560590-41-XXXX

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

Applications in industrial processes and for charcoal briquette production as fuel for barbecue.

1.3 Details of the supplier of the safety data sheet

OZEN Sp. z o.o.

78-600 Walcz

ul. Budowlanych 9

phone: +48 067 258 96 80

e-mail address of person responsible for this SDS: *info@ozen.pl*

1.4 Emergency telephone number

Emergency number: 112

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazards	Classification according to Regulation (EC) No. 1272/2008 (CLP)
physical/chemical	Not classified
to health	Not classified
to environment	Not classified

2.2 Label elements

Hazard pictograms: none

Signal word: none

Hazard statements: none

Precautionary statements: none

2.3 Other hazards

May form explosive mixtures with air.

The substance does not meet the criteria for PBT/vPvB according to Regulation (EC) No. 1907/2006, Annex XIII.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substance name	CAS	EC	Index	Cont.[%]	Classification Regulation (EC) No. 1272/2008 (CLP)
Charcoal	16291-96-6	240-383-3	-	100	Not classified

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Move exposed person to fresh air.

Skin contact: Remove contaminated clothing and shoes. Flush contaminated skin with plenty of water with soap.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Ingestion: Wash out mouth with water. Give of water to drink. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation of dust causes coughing and mild irritation of the upper respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison treatment specialist immediately, if large quantities have been ingested or inhaled.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Charcoal dust may form explosive mixtures with air.

Decomposition products may contain the following materials: carbon oxides

5.3 Advice for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection. Put on appropriate personal protective

equipment.

6.2 Environmental precautions

No special measures are required.

6.3 Methods and materials for containment and cleaning up

Sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid the creation of dust. Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Eliminate all ignition sources. Explosion hazard zones may occur inside installations, apparatus and vessels. Explosion-proof equipment and accessories must be used in these areas. Product stored in bulk in a large mass may self-heat and in extreme situations may spontaneously combust.

Workers should wash hands and face before eating, drinking and smoking.

See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packaging, in well-ventilated area away from oxidizing agents. Eliminate all ignition sources.

7.3 Specific end use(s)

Not available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No exposure limit value known.

EH40/2005 WELs (United Kingdom (UK), 8/2007).

DNEL(workers, long term, inhalation) - 10 mg/m³

DNEL(workers, long term, skin) - 14,3 mg/kg b.w./day

DNEL (consumers, long term, skin) - 28,6 mg/kg b.w./day

DNEL (consumers, long term, inhalation) - 10 mg/m³

DNEL (consumers, long term, ingestion) - 2,86 mg/kg b.w./day

8.2 Exposure controls

In the case of dusting use only with adequate ventilation. The engineering controls also need to keep gas dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment in zones marked as explosive.

Individual protection measures:

Respiratory protection: respiratory protection is required for insufficiently ventilated workplaces – dust respirator with particulate filter P2;

Eye protection: in normal conditions no special protection is required, In case of inadequate ventilation wear safety

glasses;
Hand protection: recommended safety gloves, textile.
Body protection: recommended protective clothing.

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory. Wash contaminated clothing before reusing.

Environmental exposure controls:

No special measures required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	Black
Odour:	Odourless
Melting point/freezing point:	Cannot be determined experimentally
Boiling point or initial boiling point and boiling range:	Not available
Flammability:	Flammable
Lower and upper explosion limit:	140 g/m ³ (minimum explosive concentration)
Flash point:	≥330 °C
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
pH:	ca. 6 (in suspension)
Kinematic viscosity:	Not applicable
Solubility:	Insoluble to water
Partition coefficient n-octanol/water:	Not applicable
Vapour pressure:	Not applicable
Relative density:	Not available
Relative vapour density:	Not applicable
Particle characteristics:	Not available

9.2 Other information

No additional information.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Under normal conditions of storage and use the product is not reactive. Product stored in bulk in a large mass may self-heat

10.2 Chemical stability

The product is stable.

10.3 Possibility of reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Dust may form explosive mixtures with

air.

10.4 Conditions to avoid

Avoid sources of ignition.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: LC50 (inhalation, rat): >5 g/m³/4 h.

Irritation/Corrosion: No known significant effects or critical hazards.

Serious eye damage / eye irritation: No known significant effects or critical hazards.

Sensitization: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Specific target organ toxicity - single exposure: No known significant effects or critical hazards.

Specific target organ toxicity - repeated exposure: No known significant effects or critical hazards.

Aspiration hazard: Not applicable.

11.2 Information on other hazards

No data available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

The substance is not toxic to aquatic organisms.

12.2 Persistence and degradability

Non-biodegradable.

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility in soil

The product is not soluble in water - low mobility in soil.

12.5 Results of PBT and PvB assessment

Not applicable.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number or ID number: Not available.

14.2 UN proper shipping name: Not available.

14.3 Transport hazard class(es): Not available.

14.4 Packing group: Not available.

14.5 Environmental hazards: NO

14.6 Special precautions for user: Not available.

14.7 Maritime transport in bulk according to IMO instruments: Not regulated.

SECTION 15. REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH)

EU Regulation (EC) No. 1272/2008 (CLP)

Commission Regulation (EU) 2020/878

15.2 Chemical Safety Assessment

A chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

List of abbreviations and acronyms:

CAS - Chemical Abstracts Service

DNEL - The derived no-effect level

EINECS - European Inventory of Existing Commercial Chemical Substances

ELINCS - European List of Notified Chemical Substances

LC50 - The median lethal dose

EC - EINECS and ELINCS

PBT - Persistent, Bioaccumulative and Toxic

vPvB - very Persistent and very Bioaccumulative

Training advice for workers: see information contained in the Safety Data Sheet.

Notice to user:

The information in this SDS is based on the present state of our knowledge and on current laws. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

Safety Data Sheet prepared by:



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