

SECTION 1: Name of Substance and/or Mixtures and Company

1.1. Product identifier

Flammenco CHARCOAL

REACH registration number: 01-2119560590-41-000
CAS No.: 16291-96-6
EC No.: 240-383-3

1.2. Relevant identified material or mixture use and non-advised use

Use of the material/mixture

Fuel

1.3. Details about safety data sheet supplier

Company name: DHG Vertriebs- & Consultingges. mbH
Street: Meerendonker Straße 3c
Location: 47669 Wachtendonk, Germany
Telephone: +49-(0)2152-9146-0
Informing department: Responsible for safety data sheet: Procurement

SECTION 2: Possible Hazards

2.1. Classification of material in line with EC 1272/2008

The material is not classified as hazardous in the meaning of Regulation (EC) No. 1272/2008.

2.2. Labeling elements

Labeling information

The product does not require a label in line with EC guidelines / respective national laws.

2.3. Other risks

None known.

SECTION 3: Key Component Composition/Information

3.1. Materials

Hazardous contents

CAS No.	Name			Proportion
	EC No.	Index No.	REACH No.	
	Classification in line with Regulation (EC) No. 1272/2008 [CLP]			
16291-96-6	Charcoal			100%
	240-383-3		01-2119560590-41-0000	

Wording of H and EUH statements: see Section 16.

SECTION 4: First-aid Measures

4.1. Description of first-aid measures

General information

No special measures required.

In case of inhalation

No danger from inhalation.

Ensure there is fresh air.

Seek medical attention if irritation occurs.

In case of contact with skin

Rinse immediately with soap and water. Take off soiled clothes and shoes.

In case of contact with eyes

Carefully rinse with water, including under the eyelids.

Seek specialist medical attention if irritation to the eyes continues.

In case of swallowing

In case of swallowing, drink plenty of water and seek medical advice.

4.2. Most acute and delayed symptoms and effects

Dust particles, like other inert materials, can mechanically irritate the eyes.

4.3. Information regarding immediate medical assistance or specialist treatment

Treat symptomatically.

SECTION 5: Firefighting Measures

4.4. Extinguishing agent

Suitable extinguishing agents

Select extinguishing methods based on surrounding fire.

Foam, carbon dioxide (CO₂), dry chemical, water spray.

Unsuitable extinguishing agents

High-volume water jet.

5.1. Particular hazards resulting from material or mixture

The following may be emitted in the event of fire:

Carbon monoxide and carbon dioxide

5.2. Firefighting information

Use self-contained breathing apparatus.

Additional information

Cool at-risk containers with water spray.

SECTION 6: Measures in Event of Accidental Release

6.1. Personal safety precautions, protective equipment and procedure in case of emergency

Keep way from ignition sources.

6.2. Environmental measures

Keep product out of sewers/surface water/ground water.

6.3. Methods and material for retention and cleaning

Collect mechanically and take to suitable containers for disposal. Recycling is the preferred form of disposal.

6.4. Reference to other sections

Note safety precautions (see Sections 7 and 8).

For information on disposal see Section 13.

SECTION 7: Handling and Storage

7.1. Safety precautions for safe handling

Information on handling safely

Avoid the formation and deposit of dust.

It is important to ensure good ventilation and extraction near the processing machines and in places where dust build-up is likely.

Information on preventing fire and explosion

Keep away from flames, hot surfaces and ignition sources.

7.2. Conditions for safe storage including any incompatibilities

Requirements for storage space and containers

Keep containers tightly sealed in a dry, cool and well-ventilated place. Protect against heat.

Information on combined storage

Non-compatible with oxidizing agents.

Storage class in line with TRGS 510: 11

7.3. Specific end applications

Fuel

SECTION 8: Limitation and Monitoring of Exposure / Personal Protective Equipment

8.1. Control parameters

Additional information on limit values

General dust limit value (alveolar fraction) in line with TRGS 900: 1.25 mg/m³.

8.2. Limitation and monitoring of exposure

Suitable technical control devices

It is important to ensure good ventilation and extraction near the processing machines and in places where dust build-up is likely.

Protection and hygiene measures

Wash hands before breaks and after work.

Remove soiled clothing and wash before using again. Do not smoke, eat or drink while working.

Protection for eyes/face

Eye-protection is recommended in the case of sensitivity.

Hand protection

Chemical gloves made of natural rubber, with at least 0.6 mm layer thickness and breakthrough time (duration of wear) of approx. 480 minutes, e.g. <Lapren 706> protective gloves made by the company www.kcl.de.

This recommendation exclusively refers to chemical compatibility and the testing in accordance with EN 374 under laboratory conditions.

Different requirements may emerge depending upon application. This is why the protective glove supplier recommendations should also be taken into consideration.

Body protection

Long-sleeved overalls

Breathing protection

No personal breathing protection is usually necessary.

SECTION 9: Physical and Chemical Properties

9.1. Information on fundamental physical and chemical properties

Aggregate state:	Solid
Color:	black
Odor:	Odorless
pH value:	n.a.
Status changes	
Melting point:	< 1,095°C
Initial boiling point and boiling range:	n.a.
Flashpoint:	n.a.

Explosion hazard:	Not explosive
Lower explosion limit:	n.a.
Upper explosion limit:	
Ignition temperature:	n.a.
Self-ignition temperature:	>230°C
Steam pressure:	n.a.
Thickness:	1.41-150 g/cm ³
Water solubility: (at 22.4°C)	0.0046 g/L

9.2. Other information

No data available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

No decomposition if stored and used properly.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to be avoided

Keep away from flames, hot surfaces and ignition sources.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

SECTION 11: Toxicological Information

11.1. Information about toxicological effects

Toxicokinetics, metabolism and distribution

If handled properly, no adverse health effects are known or expected.

Acute toxicity

The classification criteria are not fulfilled based on the available data.

Irritation and corrosivity

The classification criteria are not fulfilled based on the available data.

Sensitizing effects

The classification criteria are not fulfilled based on the available data.

Specific target organ toxicity in the case of one-time exposure

The classification criteria are not fulfilled based on the available data.

Serious effects following repeated or extended exposure

The classification criteria are not fulfilled based on the available data.

Effects that are carcinogenic, mutagenic and toxic for reproduction

The classification criteria are not fulfilled based on the available data.

Aspiration hazard

The classification criteria are not fulfilled based on the available data.

Other information about the tests

Classification in accordance with Regulation (EC) No. 1272/2008 [CLP]

Lessons learned from practice

Other observations

Dust particles, like other inert materials, can mechanically irritate the eyes. No adverse health effects are known in the case of proper handling and adherence to general hygiene guidelines.

SECTION 12: Environmental Information

12.1. Toxicity

Aquatic toxicity is improbable due to low solubility.

12.2. Persistence and degradability

Low biodegradability

12.3. Bioaccumulation potential

A low bioaccumulation potential can be assumed due to the low log Pow (log Pow: < 1.4).

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT-substances in accordance with Regulation (EC) No. 1907/2006 (REACH).

12.6. Further harmful effects

None known.

Other information

If handled properly, no adverse environmental effects are known or expected. Keep out of surface water and sewers.

SECTION 13: Disposal Information

13.1. Waste-treatment process

Recommendation

The product can be burnt under consideration of local official regulations.
Recycling is the preferred form of disposal.

Disposal of contaminated packaging and recommended cleaning agents

Hand over empty containers for local recycling, reclamation or waste disposal. Ideally, contaminated packaging should be emptied. It can then be sent to a recycling center.
Packaging that cannot be cleaned should be disposed of in the same manner as the material.

SECTION 14: Transportation information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO-TI/IATA-DGR); Inland waterway transport (ADN):

14.1. UN number:

Not classed as hazardous goods in the sense of transport regulations.

14.2. Proper UN shipping name:

Not classed as hazardous goods in the sense of transport regulations.

14.3. Transport hazard categories:

Not classed as hazardous goods in the sense of transport regulations.

14.4. Packaging group:

Not classed as hazardous goods in the sense of transport regulations.

14.5. Environmental hazards

Not classed as hazardous goods in the sense of transport regulations.

14.6. Special precautionary measures for the user

Not classed as hazardous goods in the sense of transport regulations.

SECTION 15: Legal Regulations

15.1. Regulations on safety, health and environment / specific legal guidelines for material or mixture

EU regulation

Information on VOC 0%
directive 2004/42/EG:

National regulations

Hazardous Incident Not assigned.

Ordinance:

Catalog No. in line with
HIO:

Qualifying quantities:

Technical Instructions for

Air I: Does not come under TI air

Proportion:

Water pollution class: non-water polluting

Status: Rule of mixtures in line with VwVwS regulation Annex 4, No.
3

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for this material.

SECTION 16: Other Information

Changes

Changes in section:

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation
intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bio-accumulative and

Toxic vPvB = Very Persistent and very Bio-
accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilization concentration or median inhibitory concentration

Further information

Part of the information in Positions 4 to 8 and 10 to 12 is not related to the use and proper application of the product (see information on use / specialist information), but rather to the release of larger quantities in case of accidents and irregularities.

The information exclusively describes the safety requirements of the product(s) and is based on the current state of knowledge.

The delivery specifications can be found in the respective product sheets.

They are not a guarantee of the properties of the described product(s) in the sense of the legal guarantee regulations (n.a. – not applicable, n.i. – not identified).