

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**1.1. Product identifier**Trade name: **Charcoal**

Name: Charcoal grade A, B. GOST 7657-84

Synonyms: Carbon

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

Charcoal is used as a fuel, as well as in the production of crystalline silicon, non-ferrous metals, active carbons, carbon disulfide, ferroalloys, carburizing agent and for other purposes, as well as in the domestic sector for use in barbecue and grills for cooking.

1.3. Details of the supplier of the safety data sheet

Manufacturer: RUSSKIY UGOL, LLC

Address: 624300, Sverdlovsk region, Kushva, the territory of the industrial area "Aglofabrika" to the north of plot 4a, Russia

Tel.: +7 922 181 47 96

E-mail: info@coalrus.ru

1.4. Emergency telephone number:

Emergency Contact Line: 112 (Russia, EC), 911 (USA).

SECTION 2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Hazards	Classification	According to Regulation (EC)№1272/2008 (CLP)
for humans:		Not classified
for environment:		Not classified

2.2. Label elements (label according to Regulation (EC) № 1272/2008 as amended)**Pictogram:** None**Signal word:** None**Hazard statements:** Not classified.**Precautionary statements:** Not required.

2.3. Other hazards

Physical hazards: Not classified for physical hazards.

Specific hazards: Not available.

Main symptoms: See Sections 11 of the SDS.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

IUPAC name: Carbon

Chemical formula: C

3.2. Mixtures

Chemical Name	Weight, %	CAS №	EC №	Hazard Statement (GHS)*
Carbon	> 77	16291-96-6	240-383-3	Not classified
Ash	< 3	no	no	Not classified
Water	< 6	7732-18-5	231-791-2	Not classified

* The full text of the H-phrases indicated in Section 16.

SECTION 4. FIRST-AID MEASURES

4.1. Description of first aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation:

If breathed in, move person into fresh air, provide peace and warmth.

Skin contact:

Wash off with soap and plenty of water.

Eye contact:

Flush eyes with water while holding the eyelids open. Seek medical attention if necessary.

Ingestion:

Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.

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

Inhalation of dust in high concentrations - sore throat, cough.

SECTION 5. FIRE-FIGHTING MEASURES

General fire hazards: Combustible material

5.1. Extinguishing media

Suitable extinguishing media: Sprayed water, chemical foam, dry chemicals.

Unsuitable extinguishing media: Compact jets of water

5.2. Special hazards arising from the substance or mixture

Auto-ignition temperature 340 °C. The lower concentration limit of ignition of charcoal dust is 128 g/cm³.

Combustion products: Carbon monoxide, carbon dioxide.

5.3. Advice for fire fighters

Special precautions for firefighters: The fine dust of the product is capable of forming an explosive mixture in the air. Coals can be ignited again after quenching.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

The use of personal protection measures is recommended - see Section 8 of the MSDS.

Avoid dust formation. Contact emergency services where appropriate. Use personal protective equipment.

Clear area of all unprotected personnel; do not smoke.

6.2. Environmental precautions

Do not allow product to enter drains, ponds or drains. Ensure the sealing of containers and technological equipment.

6.3. Methods and material for containment and cleaning up

Avoid dust formation. Collect the product in a sealed dry container; send for recycling or recycling. Comply with fire safety measures.

6.4. Reference to other sections

See also Sections 8 and 13 of the SDS.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

General Precautions:

Provide appropriate exhaust ventilation at places where dust is formed. Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. For precautions see section 2.2, 2.3.

7.2. Conditions for safe storage, including any incompatibilities

To store in the covered warehouse or under a canopy, not allowing ingress of moisture. Keep away from sources of ignition, away from strong oxidizing agents.

7.3. Specific end use(s)

None.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Component	Exposure limits (ACGIH-TLV)
Charcoal	TWA 15 mg/m ³ (total)

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.1. Personal protective equipment



Eye/face protection

Use safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves from nitrile rubber with a thickness of at least 0.11 mm. Gloves must be inspected prior to use. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Type of protective clothing must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. In emergency situations use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental controls:

Do not let product enter drains.

Thermal hazards:

Not applicable.

Hygiene measures:

Wash hands after handling. Routinely wash work clothing and protective equipment to remove contaminants. Handle in accordance with good industrial hygiene and safety practices. Follow upon any medical surveillance requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Solid
Color:	From dark gray to black
Odour:	Odorless
PH:	Not applicable
Melting point/freezing point:	3550 °C
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas) :	Not available
Burning time:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Density:	0.37 g/cm ³ (apparent density)
Solubility(ies) :	Insoluble in water
Partition coefficient (n-octanol/water) :	Not available
Self-ignition temperature:	> 340 °C
Decomposition temperature:	Not available
Viscosity:	Not applicable
Explosive properties:	None
Oxidizing properties	None

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Oxidized.

10.2. Chemical stability

The products are stable under normal conditions of transportation and storage.

10.3. Possibility of hazardous reactions

Under normal conditions hazardous reactions will not occur.

10.4. Conditions to avoid

Humidification in the presence of sulfur dioxide in the air contributes to spontaneous combustion. Easily ignites spontaneously when in contact with oxidizing agents.

10.5. Incompatible materials

Avoid contact strong oxidants.

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Effect of Acute Exposure

Acute Toxicity

Component	LD ₅₀ , Oral	LC ₅₀ , Inhalation	LD ₅₀ , Dermal
Charcoal	> 2000 mg/kg, rat	> 4970 mg/m ³ , rat, 4 h	-

Eyes and skin irritation

Eye contact may cause mechanical irritation.

Respiratory or skin sensitization:

Not classified.

Specific target organ toxicity - Single exposure:

Dust irritates the upper respiratory tract.

11.2. Effects of chronic exposure

Repeated dose toxicity

Not available.

Specific target organ toxicity - Repeated exposure

Prolonged or repeated inhalation of charcoal dust has a negative effect on the upper respiratory tract and lungs.

Carcinogenicity

Not classified.

Mutagenicity:

Not classified.

Reproductive toxicity:

Not classified.

Embriotoxicity:

Not classified.

Teratogenicity:

Not classified.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Aquatic Toxicity:

No information available (indicators not established).

12.2. Persistence and degradability

Biotic: Biodegradation potential: not applicable.

Activated sludge simulation test: not applicable.

Abiotic: Hydrolysis as pH function: does not occur

Photolysis/phototransformation: does not occur

12.3. Bioaccumulative potential

Unlikely due to insolubility in water.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvP assessment

Chemical assessment was not conducted.

12.6. Other adverse effects

Not classified as dangerous product to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste disposal

Product

Waste and spills should be collected in a sealed container and disposed in accordance with local regulations.

Contaminated packaging

Dispose of in accordance with relevant local legislation.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

None

14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class(es)

Not classified as dangerous goods. Allowed to transport all types of transport.

ADR/RID: -

IMDG: -

IATA: -

14.4. Packing group

None

14.5. Label

None

14.6. Special precautions for user

None

14.7. Others

None

SECTION 15. REGULATORY INFORMATION

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

Not classified according to EEC Directives 67/548/EEC and 88/379/EEC.

EU regulations

Regulation (EC) № 1005/2009 on substances that deplete the ozone layer, Annex I: Not listed.

Regulation (EC) № 1005/2009 on substances that deplete the ozone layer, Annex II: Not listed.

Regulation (EC) № 850/2004 on persistent organic pollutants, Annex I as amended: Not listed.

Regulation (EC) № 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended: Not listed.

Regulation (EC) № 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended: Not listed.

Regulation (EC) № 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended: Not listed.

Regulation (EC) № 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended: Not listed.

Regulation (EC) № 166/2006 Annex II Pollutant Release and Transfer Registry: Not listed.

Regulation (EC) № 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA: Not listed.

Authorizations

Regulation (EC) № 143/2011 Annex XIV Substances Subject to Authorization: Not listed.

Restrictions on use

Regulation (EC) № 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended: Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work: Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding: Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances: Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work: Not listed.

Directive 94/33/EC on the protection of young people at work: Not listed.

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EU directives. This Safety Data Sheet complies with the requirements of Regulation (EC) №1907/2006. National regulations Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

Chemical safety assessment for this substance was not carried out.

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms in the Safety Data Sheet

ACGIH = American Conference of Governmental Industrial Hygienists

CAS = Chemical Abstracts Service

vPvB = very Persistent, very Bioaccumulative (substance)

PBT = Persistent, Bioaccumulative and Toxic (substance)

PNEC = Predicted No Effect Concentration

DN(M)EL = Derived No Effect Level

LD₅₀ = Dose that will kill 50% of test animals

LC₅₀ = Concentration that will kill 50 % of test animals

LL₅₀ = Lethal Loading fifty

EC_x = Concentration at which x% inhibition of growth or growth rate is observed

OECD = Organisation for Economic Co-operation and Development

REACH = Registration Evaluation And Authorisation Of Chemicals

RID = Regulations concerning International Carriage of Dangerous Goods by Rail

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG = International Maritime Transport of Dangerous Goods

IATA = International Air Transport Association

IARC = International Agency for Research on Cancer

UVCB = Unknown substances, of Variable Composition, or of Biological origin

ECHA = European Chemicals Agency

EINECS = The European Inventory of Existing Commercial Chemical Substances

Basic literature references and data sources

- Regulation (EC) №1907/2006 (REACH) as amended by 453/2010/EC.
- Regulation (EC) №1272/2008 (CLP, EU GHS).

List of applicable H-phrases, P-phrases or warning statements not fully indicated in Sections 2-15 of this safety data sheet:

None.

Advice on training for employees:

Unspecified.

The above information is based on our current knowledge and experience. It is not a guarantee of any properties of the product or its quality specifications and it may not provide a basis for any complaint. The product should be transported, stored and used in compliance with applicable laws and regulations, good practices and the rules of occupational hygiene. The information presented is not applicable to mixtures of the product with other substances. The use of the information provided, as well as the use of the product, is not controlled by the manufacturer, and thus it is the User's obligation to create suitable conditions for safe handling of the product.

Users should be aware that we are not responsible for any incorrect use of our product other than as recommended by us.