

Safety data sheet

Carbon black

1. Name and composition of the substance

1.1 Name of the substance: Carbon black
Chemical formula: **C**
Synonyms: Soot
International name: Carbon black

1.2 State and international classifiers:

GOST	7885-86
International standard	-----
CAS	1333-86-4
EINECS	231-153-3
RTECS	FF5250100
HS code	2803008000
Code by HNG	28030080
Code by UTSNC	45400
S-codes	S:26-36-24/25-22
R-codes	R:36/37-18-11-40
Symbol	F,Xi,Xn
UN	-1361
Hazard class	4.1
Packing group	III



1.3 Information on the composition of the product:
Content C – 90-100 GOST 7885-86%.

1.4 General characteristics of the substance

WARNING! Direct contact with skin may cause skin irritations that may not be noticeable or painful at first. Inhalation is harmful. When in areas with unknown or exceeding the limit concentration, use closed-circuit breathing apparatus (SCBA) and a full protective suit. May cause cancer.

2. Information about the manufacturer or supplier

Country of origin Turkmenistan
Manufacturer chemical plant Khazar 745030,
Turkmenistan, Balkan velayat, Khazar city

3. Types of hazardous exposure

Khazar

chemical plant

3.1 Impact on humans

→ **General characteristics of the impact**

Contact with skin may cause irritation, do not swallow, dust may cause eye irritation

→ Affected organs, tissues, human systems:

→ **Inhalation:** Dust causes irritation of the respiratory tract. Excessive exposure may cause lung dysfunction.

Carbon black is an extremely fine and light powder, it may accumulate in the lungs without being noticed, causing incorrect lung function.

→ **Eye contact:** May cause eye irritation.

→ **Skin contact:** May cause skin irritation.

→ **Ingestion:** Harmful, do not swallow

3.2 Impact on the environment (air, water, soil)

→ General characteristics of exposure. No data.

→ Environmental exposure routes. No data

4. First aid measures

4.1 **If inhaled** - Remove victim to fresh air. If breathing is difficult, seek medical attention.

4.2 **If ingested** - Give several glasses of milk. Do not induce vomiting. If a large amount has entered the body, seek medical attention.

4.3 **If exposed** to skin - Wash affected areas with soap and warm water. Seek medical attention if irritation develops.

5. Measures and Means of Ensuring Fire Safety

5.1 General characteristics of fire and explosion safety: This product is fire and explosion safe.

When extinguishing a fire, it is necessary to use independent breathing apparatus (MSHA/NIOSH approved or equivalent) and protective suits.

5.2 Fire and explosion hazard indicators:

May ignite in open flame, burns slowly. Not explosive. Does not support combustion.

5.3 Danger caused by combustion or thermal decomposition products:

5.4 Recommended extinguishing media:

According to the surrounding situation.

5.5 Prohibited extinguishing media:

none

5.6 Personal protective equipment in case of fire:

depending on the surrounding situation

6. Measures for the prevention and elimination of emergency situations

6.1 General recommendations.

→ Handling and storage:

Store in a tightly closed container. Protect from mechanical damage. Store in a cool, dry, ventilated area away from heat, moisture and incompatible substances. Containers of this substance may be hazardous even when empty, as they retain residues of the product. Observe all precautions listed for this product.

- →Ensuring personnel safety:
Work in protective clothing and PPE.
- Environmental protection:
Prevent significant product leaks into the environment.
- Neutralization, disposal and liquidation of waste:
Depending on the specific production
- Personal protective equipment
Closed-type respiratory system. Full protective chemical suit.

7. Handling and storage rules

- 7.1 Safety measures and protective equipment when working with the substance.
Closed breathing apparatus, chemical protection suit (mask, overalls, gloves, shoes).
- 7.2 Conditions and periods of safe storage.
Store in the manufacturer's packaging in a well-ventilated, safe place protected from weather conditions.
Incompatible substances during storage
Keep away from moisture.

8. Rules and measures to ensure personnel safety

- 8.1 Parameters of the working area subject to mandatory control.
OSHA: 3.5 mg/m³ total dust.
ACGIH: 3.5 mg/m³ TWA
- 8.2 Measures to ensure the content of harmful substances in permissible concentrations..

Adequate ventilation of storage areas is required to prevent accumulation of product vapors in the air

9. Physical and chemical properties

Appearance	Black granules
Specific gravity	No information
Boiling point	No information
Vapor density (air=1)	No information
Density of liquid (water=1)	No information
Melting point	-----
Vapor pressure at 21.1°C	No information
Solubility in water (v/v at 0°C)	Soluble in water
pH	5%

10. Stability and chemical activity

- 10.1 **Stability: Stable under normal conditions of use and storage.**
- 10.2 Incompatible with manganese oxide, iron oxide, liquid oxygen.
- 10.3 Hazardous decomposition products: Carbon monoxide, carbon dioxide

11. Toxicity

- 11.1 Assessment of the degree of danger (toxicity) of impact on the body
Information on dangerous long-term effects of exposure to the body. No information

12. Environmental Impact

- 12.1 Assessment of potential environmental impacts
No information
- 12.2 The most important characteristics of environmental impact
No information

13. Disposal and burial of waste (residues)

- 13.1 Information on methods of rendering harmless, destroying or burying waste substances, including containers.
Dispose of containers and unused contents in accordance with federal regulations.

14. Transportation rules

- 14.1 Shipping name: Carbon Black..
- 14.2 Type of transportation: No restrictions
- 14.3 Classification of Hazardous Materials and Transportation Marking

S-codes	S:26-36-24/25-22
R-codes	-----
Symbol	-----
UN	-----
Hazard class	-----
Packing group	III

15. International and national legislation

- 15.1 National legislation
- Laws of the Russian Federation:
- Federal Law of March 30, 1999 No. 52-FZ "On the Sanitary and Epidemiological Welfare of the Population";
- Article 43 State Registration of Substances and Products;
- Article 55 Liability for Violation of Sanitary Legislation;
- Article 40 Features of Licensing Certain Types of Activities Possibly Dangerous to Humans.
- Resolution of the State Standard of Russia dated March 3, 2003 No. 21 "Chemical Product Certification System"

116. Additional information