

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 2015/830)

Version 2
Product Name Carbon black

Issue Date 06-Jan-2022
Revision date 06-Jan-2022

SECTION 1: Identification of the substance /mixture and of the company/undertaking

1.1. Product identifier

Product Name	Carbon black
CAS No	1333-86-4
EC No	215-609-9

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

Recommended Use	For rubber, Tyre and plastic as reinforcing filler.
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Supplier	HENAN CHUANGE INDUSTRY CO.,LTD
Phone	+86-371-86550988
E-mail	sales@chuangegroup.com



1.4. Emergency telephone number +86-371-86550988

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] and Chemicals Classification and Hazard Communication (Amendment) 2019 Part 1

Not classified.

2.2. Label elements

Symbols/Pictograms	No pictograms
Signal word	No signal word
Hazard Statements	
Precautionary Statements	Not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1 Substance**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carbon black	215-609-9	1333-86-4	≥99	Not classified
Water	/	7732-18-5	≤1%	Not classified

SECTION 4: First aid measures**4.1. Description of first aid****measures General advice**

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

Self-protection of the first aider

First aider: Pay attention to self-protection. Use personal protection recommended in Section 8.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable extinguishing media

Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO₂). Oxides of sulfur.

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Avoid contact with skin, eyes or clothing. Extremely slippery when spilled. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust.

6.4. Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse.

Take precautionary measures against static discharges. Do not touch the bag with hand. Put a grounding device on the handling tool.

Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray.

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Store in accordance with local regulations.

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Carbon black (CAS #: 1333-86-4)	3 mg/m ³	-	-	TWA: 3.5 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Carbon black (CAS #: 1333-86-4)		TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	Skin	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Carbon black (CAS #: 1333-86-4)	TWA: 3.5 mg/m ³ STEL: 3.5 mg/m ³	-	TWA: 3 mg/m ³ inhalable fraction	-	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

Derived No Effect Level (DNEL)

Inhalation	Worker - inhalative, long-term - systemic	2mg/m ³
	Worker - inhalative, long-term - local	2mg/m ³

Predicted No Effect Concentration (PNEC)

Fresh Water	5mg/L
Sea Water	5mg/L

8.2. Exposure controls

Engineering Controls

Showers. Eyewash stations. Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand Protection	Wear protective gloves.
Skin and body protection	Suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	None under normal processing

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid Powder
Color	black
Odor	Odorless
Odor Threshold	Not determined
pH	6.5-7.6
Melting point/freezing point	3500 °C (6332°F) 3652-3697 °C (sublimation)
Boiling point / boiling range	> 3500 °C
Flash point	900 °C (1652°F)
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Explosive limits	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	1.85g/cm ³
Relative density	1.80-1.98
Water solubility	Insoluble in water
Partition coefficient (LogPow)	Not determined
Autoignition temperature	> 600 °C Thermal black and Furnace black: >140°C
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents. Chloric acid salts. Bromate salts. Nitrate salts.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂). Oxides of sulfur. Organic.

SECTION 11: Toxicological information**11.1. Information on toxicological effects Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carbon black (CAS #: 1333-86-4)	> 10000 mg/kg (rat)	-	> 4.6 mg/m ³ /4h

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

No eye irritation.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

Chemical Name	European Union	IARC
Carbon black (CAS #: 1333-86-4)	-	Group 2B

Reproductive toxicity

No adverse effects on the reproductive function are expected.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information**ECOTOXICITY:**

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE:

This material is not expected to present an environmental problem.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible.

Package product waste, close and label the waste receptacles and , likewise, any uncleaned empty containers. Dispose of them at a suitable waste disposal in accordance with the official regulations.

SECTION 14 TRANSPORT INFORMATION

The description shown could apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

US DOT

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

ICAO / IATA

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

IMO / IMDG

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

RID / ADR

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION

SECTION 15 REGULATORY INFORMATION

Not labeling is required.

SECTION 16 OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.