

Material Safety Data Sheet

According to GHS rev 4

Carbon black

SDS Record Number: CSSS-TCO-010-111429

Printing date: 04/05/2012

Version 1.1

Revision date: 04/05/2012

1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Carbon black
Product code: Not available
Identification of the product: CAS# 1333-86-4; EC# 215-609-9

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

It can be used to make elastomeric, black pigment, ink, plastic, reinforcing material etc.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer): HEBEI DAGUANGMING JUWUBA CARBON BLACK CO., LTD
Address: SOUTH OF NANHUAN ROAD, SHAHE CITY, HEBEI PROVINCE, CHINA
Contact person(E-mail): carbonblack@outlook.com
Telephone: 0319-8707021
Fax: 0319-8707021

1.4 Emergency telephone Number:

0319-8707021

Available outside office hours?

YES

NO

2 Hazards Identification

2.1 Classification of the substance

2.1.1 Classification:

The substance is classified as following according to GB 13690-2009 (GHS) and 67/548/EEC:

GB 13690-2009 (GHS)	
Hazard classes/Hazard categories	Hazard statement
N/A	N/A

For full text of H- phrases: see section 2.2.

67/548/EEC	
Hazards characteristics	R-Phrases
N/A	N/A

For full text of R- phrases: see section 16.

2.1.2 The most important adverse effects

2.1.2.1 The most important adverse physicochemical effects:

Not applicable.

2.1.2.2 The most important adverse human health effects:

Not applicable.

2.1.2.3 The most important adverse environmental effects:

Not applicable.

2.2 label elements

Hazard Pictograms: No hazard pictogram is used.

Signal Word(S): No signal word is used.

Hazard Statement: Not applicable.

Precautionary Statement Not applicable.

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Prevention:

Precautionary Statement Not applicable.

Response:

Precautionary Statement Not applicable.

Storage:

Precautionary Statement Not applicable.

Disposal:

3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Carbon Black	N/A	1333-86-4	215-609-9	>98%

4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

4.1.2 In case of skin contact:

Flush skin with plenty of water while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

4.1.3 In case of eyes contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

4.1.4 In case of ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

4.2 Most important symptoms and effects, both acute and delayed

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs, get medical advice/attention.

5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use foam, carbon dioxide (CO₂), dry chemical, or water spray.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Products of combustion include carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus (positive pressure, if available) and full protective clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

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Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Wear protective gloves/protective clothing/eye protection/face protection.

6.2 Environmental Precautions:

Carbon black poses no significant environmental hazards, As a matter of good practice; minimize contamination of sewage water, soil, groundwater, drainage systems, or bodies of water.

6.3 Methods for Containment and Cleaning up:

Small spills should be vacuumed when possible. Dry sweeping is not recommended. A vacuum equipped with HEPA (high efficiency particulate air) filtration is recommended.

6.5 Additional information:

Wet clean or vacuum up solids.

Don't use a brush or compressed air for cleaning surfaces or clothing.

Clear spills immediately.

7 Handling and storage

7.1 safe handling:

7.1.1 Protective measures:

Wash thoroughly after handling. Wash hands before eating. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Storage:

Store in dry place away from ignition sources and strong oxidizers. Before entering closed vessels and confined spaces containing carbon black test for adequate oxygen percent content, flammable gases and potential toxic air contaminants(e.g., CO, SO₂). Follow safe practices when entering confined spaces.

8 Exposure control/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not listed

8.2.1 Appropriate engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

8.2 Personal protection :

Eye/face protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Hand protection	Wear appropriate gloves to prevent skin exposure.
Body protection	Wear suitable protective clothing to prevent skin exposure.
Respiratory protection	Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear suitable protective clothing to prevent heat.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Powder or pellet
Colour:	Black
Odour:	Odorless
Odour threshold:	Odorless
pH:	>7 (50g/1 water, 68°F (20°C)) <7 (Acid Carbon Black)
Melting point/range (癬):	3550 癬
Boiling point/range (癬):	500-600 癬

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Flash point (癩) :	>230 癩
Evaporation rate:	Not available
Flammability (solid, gas);	Combustible
Ignition temperature (癩) :	310°C under normal temperature and pressure
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20癩) :	Not available
Vapour density:	Not available
Relative Density (25癩):	Not available
Bulk density (kg/m ³) :	Not available
Water solubility (g/l) at 20癩 :	Insoluble
n-Octanol/Water (log Po/w) :	Not available
Auto-ignition temperature:	449°C at 1013 hPa
Decomposition temperature:	>572°F (>300°C)
Viscosity, dynamic (mPa s) :	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Epoxy equivalent (g/eq) :	Not available
Epoxy value (eq/100g) :	Not available
Softening point(°C):	Not available
Hydrolysis chlorine (ppm) :	Not available

9.2. Other information:

Fat solubility(solvent- oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

10 Stability and reactivity

10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

10.2 Possibility of hazardous reactions:

No dangerous reactions known.

10.3 Conditions to avoid:

Prevent exposure to high temperatures >572°F (>300°C) and open flames.

10.4 Incompatible materials:

Strong oxidizers such as chlorates, bromates and nitrates.

10.5 Hazardous decomposition products:

Carbon monoxide, carbon dioxide.

11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Non-human toxicological data: Not available

11.2 Information on toxicological effects

Acute toxicity:

LD50(Oral, Rat): >8000mg/kg

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LD50(Dermal Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	>1000mg/l	96h	Fish	OECD 203	N/A	N/A
LC50	>5600 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 10000mg/l	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not expected to degrade.

Bioaccumulative potential: No accumulation is expected.

Mobility in soil: Not available.

13 Disposal considerations

13.1 Waste treatment methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

13.2 Product / Packaging disposal:

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

14 Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not regulated	Not regulated	Not regulated
UN Proper shipping name:	Not regulated	Not regulated	Not regulated
Transport hazard Class:	Not regulated	Not regulated	Not regulated
Packaging group:	Not regulated	Not regulated	Not regulated
Environmental hazards:	Not regulated	Not regulated	Not regulated
Special precautions for user:	See section 2.2	See section 2.2	See section 2.2

15 Regulation information

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

Whether be recorded by other nations chemicals directory :

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EU(EINECS)	yes
U.S.A(TSCA -Toxic Substances Control Act)	yes
Canada(DSL -Domestic Substances List)	yes
Canada (NDSL -Non Domestic Substances List)	no
Japan (METI -Ministry of Economy, Trade and Industry)	yes
Australia(AICS -Australian Inventory of Chemical Substances)	yes
New Zealand(HSNO -Hazardous Substances and New Organisms)	yes
Korea(KECL -Korean Existing Chemicals List)	yes
China (IECSC -Inventory of Existing Chemical Substances Manufactured or Imported in China)	yes

15.2 Special consideration for downstream users:

Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

16 Other information

16.1 Indication of changes Version 1.1 Amended by EU No 453/2010

16.2 Relevant R- phrases (number and full text):

Not applicable.

16.3 Training instructions:

Not applicable.

16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.5 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.