

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by Regulation (EU) No 453/2010,
According to Regulation (EC) No 1272/2008
Gouging carbon rods

SDS Record Number: CSSS-TCO-010-112686
Version 1.1 Revision date: 04/03/2013

Printing date: 04/03/2013

Section 1 Identification of the substance and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Gouging carbon rods
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

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

1.2.1 Identified uses:

Mainly used for cutting, casting.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): Zhejiang Changzheng Projector Carbon Electrodes Co.,Ltd.
Address: 318 National Highway Nanxun Town, Huzhou City, Zhejiang Prov., China
Contact person(E-mail): ling bing (czcarbon@163.com)
Telephone: +86-572-3912367
Fax: +86-572-3011768

1.4 Emergency telephone Number:

+86-572-3912367 Monday to Friday (9:00am to 17:00pm, Beijing time)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification:

The mixture is classified as following according to 1999/45/EC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
N/A	N/A

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

1999/45/EC	
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.

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Signal Word(S): No signal word is used.
Hazard Statement: Not applicable.
Precautionary Statement: Not applicable.

2.3 Other hazards

Not available (PBT, vPvB, Substance is an endocrine disruptor etc.)

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Petroleum coke	N/A	N/A	N/A	5%
Asphaltum	N/A	8052-42-4	231-820-9	15%
Electrolytic copper	N/A	7440-50-8	231-159-6	5%
Graphite	N/A	7782-42-5	231-955-3	75%

Section 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:

Move to fresh air. If you feel unwell, seek medical attention.

4.1.2 In case of skin contact:

Wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

4.1.3 In case of eyes contact:

Wash eyes with copious amount of water for at least 15 minutes. If irritation persists, seek medical attention.

4.1.4 In case of ingestion:

Rinse mouth with water and drink plenty of water. Seek medical attention.

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.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, carbon dioxide, dry powder, foam.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Under fire conditions, emits carbon monoxide and carbon dioxide.

5.3 Advice for fire-fighters:

Wear self-contained breathing apparatus and full protective clothing.

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Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Use personal protective equipment. Evacuate area of all unnecessary personnel. Ensure good ventilation/exhaustion at the workplace. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.

6.2 Environmental Precautions:

Do not allow material to be released to the environment without proper governmental permits

6.3 Methods for Containment and Cleaning up:

Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Clean up affected area.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

6.5 Additional information:

Not applicable.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Use personal protective equipment. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

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 Conditions for safe storage, including any incompatibilities:

Store in a dry, well-ventilated place. Keep container closed when not in use. Store in original containers. Keep away from incompatible materials. Keep away from fire and heat sources.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure control/personal protection

8.1 Control parameters:

- 8.1.1 Occupational exposure limits: Not available.
- 8.1.2 Additional exposure limits under the conditions of use: Not available.
- 8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls

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.

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8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection	Wear suitable safety goggles.
Hand protection	Wear suitable protective gloves.
Body protection	Wear suitable protective clothing and boots.
Respiratory protection	Wear approved mask/respirator.
Thermal hazards	Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid
Colour:	Black
Odour:	Odorless (Graphite)
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	> 600 °C (Graphite)
Boiling point/range (°C) :	Not available
Flash point (°C) :	Not available
Evaporation rate:	Not available
Flammability (solid, gas);	Not available
Ignition temperature (°C) :	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C) :	Not available
Vapour density:	Not available
Relative Density (25°C):	2.2136 g/cm ³ (Graphite)
Bulk density (kg/m ³) :	Not available
Water solubility (g/l) at 20°C :	< 0.45 mg/L (Graphite)
n-Octanol/Water (log Po/w) :	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa s) :	Not available
Explosive properties:	Non-explosive
Oxidising properties:	Non-oxidising

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

Section 10 Stability and reactivity

10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

10.2 Chemical stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

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10.4 Conditions to avoid:

Incompatible materials. Keep away from fire and heat sources.

10.5 Incompatible materials:

Strong oxidizing agents.

10.6 Hazardous decomposition products:

Carbon monoxide, carbon dioxide.

Section 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): > 2000 mg/kg bw (female, Graphite)

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): > 2000 mg/m³/4h air (Graphite)

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

Section 12 Ecological information

Toxicity: Graphite (CAS# 7782-42-5)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 100 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 100 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 100 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

Other adverse effects: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods

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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.

Section 14 Transport information

	<i>Land transport (ADR/RID)</i>	<i>Sea transport (IMDG)</i>	<i>Air transport (ICAO/IATA)</i>
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:	No	No	No
Special precautions for user:	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable

Chemical Safety Assessment has been carried out?

YES

NO

Section 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.

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