

GHS Safety Data Sheet

SDS No. : CCE01PAEG

Date Issued: 2009/08/21

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Section 1. Identification of the substance or mixture and of the supplier

1.1 Product Information

Product name: **C Carbon**

Product number:	Purity	Form	Size (μ m)	Product number:	Purity	Form	Size (mm)
CCE03PB	99.7%	powder	ca.5	CCE05GB	99.95%	grains	ca.2~5
CCE06PB	99.9%(3N)	powder	ca.20	CCE02RB	—	rod/tablet	ϕ 10×t5 *
CCE07PB	99.9%(3N)	powder	ca.50	CCE03CB	—	chips	5×5×t1 *
CCE02PB	99.99%(4N)	powder	ca.10	CCE04CB	—	chips	10×10×t1 *
				—		target	ϕ 101.6×t5 * ϕ 152.4×t5 *

* ; ash \leq 20ppm

1.2 Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.

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Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
No data available	No data available	Substances and mixtures which, in contact with water, emit flammable gases : Not classified

GHS Label:

Pictograms or symbols: Not applicable

Warning word: Not applicable	
Hazard information Not applicable	Description of precaution Wear protective gloves/protective clothing/eye protection/respiratory protection/face protection during handling. Avoid breathing dust. Do not eat, drink or smoke when using this product, and Wash hands thoroughly after handling.

Additional hazard information : May liberate toxic gases in a fire.

With respect to additional hazard information, see Section 11.

Section 3. Composition / information on ingredients

Chemical or common name:	Carbon
Chemical formula:	C
Single Substance or Mixture:	Single substance
Composition:	100%
CAS #:	7782-42-5 (graphite)
RTECS#:	MD9659600 (graphite)
TSCA inventory :	listed
EINECS:	2319553 (graphite)

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	The product is non-flammable. Use media appropriate for surrounding fire.
Fire fighting	May liberate toxic gases in a fire. Self-contained breathing apparatus and full protective clothing should be used, if this product is involved in fire.
Explosion hazards:	Fine powder forms explosive mixtures in air.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its vapor/dusts.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen.
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Precautions to be taken in storage:

General precautions: Store the material in a sealed container.
Store in a cool, dry, well ventilated and dark place away from incompatible materials.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH (2013): graphite TLV-TWA 0.2 mg/m³ (respirable)
OSHA (2006): graphite PEL-TWA natural 15 mppcf
synthetic 15 mg/m³ (total dust)
5 mg/m³ (respirable)

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, protective gloves.

Section 9. Physical and chemical properties

Color and Form: Black solid

Chemical formula: C

Formula weight: 12.01

Melting point: 3530 °C

Density: 2.26 g/cm³

Water solubility: Water: insoluble
Dissoluble: conc.H₂SO₄+ conc.HNO₃ (graphitic acid)
conc.HNO₃ (mellitic acid)

Flammable: Non-flammable substance

Oxidation: None

Section 10. Stability and reactivity

Stability: Stable in closed container at room temperature.

Reactivity

Incompatibility: Strong oxidizing agents

Hazardous decomposition products.: Carbon monoxide, carbon dioxide.

Section 11. Toxicological information

Acute toxicity: GHS ; No data available

Skin corrosive / irritation: GHS ; No data available

Serious eye damage / irritation: GHS ; No data available

Respiratory/ skin sensitization: GHS ; No data available

Germ cell mutagenicity: GHS ; No data available

Carcinogenicity: GHS ; No data available

Reproductive toxicity: GHS ; No data available

Specific target organ toxicity

—single exposure: GHS ; No data available

Specific target organ toxicity

—repeated exposure: GHS ; No data available

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

—acute/ chronic toxicity: GHS ; No data available

Hazardous the ozone layer:

GHS ; No data available

No Freon or Halon

Fish toxicity:

No data available

Degradability:

No data available

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN classification: Non-hazards

UN number: None

HS code: 2803.00

Marine pollution: None

Precautions: Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory : Graphite listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.