



SAFETY DATA SHEET

CCI-SDS-012816

Section 1 – Product and Supplier Identification

Product identifier used on the label:	Carbon/Graphite Products
Other means of identification:	See list of products/grades in Section 16
Uses (and restrictions):	Customer applications for carbon/graphite fiber products, including carbon fiber reinforced carbon, rigid board, carbon/graphite felt and other flexible carbon products used for high temperature furnace applications
Supplier and contact information:	
Carbon Composites, Inc.	+1(978)840-0707
12 Jytek Road	www.carboncompositesinc.com
Leominster, MA 01453 U.S.A.	
Emergency phone number:	+1(978)840-0707 08:00-17:00 EST Monday-Friday

Section 2 – Hazard Identification

As a solid material, this product presents minimal hazards; however, dust created in shipping, handling, cutting, machining and use may exhibit the hazards of the materials as described below. Avoid creating and breathing airborne dust.

Classification:

The material contained in this product is not classified as hazardous under the Globally Harmonized System (GHS) of Classification and Labelling and the U.S. OSHA Hazard Communication Standard and the European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Signal word, symbols, hazard and precautionary statements: Not applicable (not classified as hazardous)



Other information about health hazards:

Dust from this material may cause minor irritation of skin and eyes, primarily through mechanical abrasion. Repeated or prolonged exposure to elevated concentrations of any airborne dust can irritate or harm the respiratory system, especially as an aggravation to a pre-existing condition. Avoid creating and breathing airborne dust.

Other information about physical hazards:

Carbon/graphite dust and fibers are electrically conductive and dust accumulations on electrical equipment can cause short circuits resulting in electrical shock, fire or damage to equipment. Dust from this product contains graphite and may create slippery conditions. Accumulations of dust may present a combustible dust hazard. Maintain good housekeeping.

Section 3 – Composition

Component	CAS Registry Number	Concentration % by weight
Graphite	7782-42-5	0-100%
Carbon	7440-44-0	0-100%

Section 4 – First Aid Measures

Inhalation: Remove affected personnel to an exposure-free environment.
Skin and eye contact: Flush eyes with water. Wash skin with soap and water.
Ingestion: Not applicable, not expected
Indication of need for immediate medical attention and special treatment: Not applicable, not expected

Section 5 – Fire Fighting Measures

This product is not very combustible, but may burn if exposed to high temperatures.

Suitable extinguishing media:

Use an extinguisher that is suitable for the surrounding fire.



Combustion hazards:

When burned, carbon/graphite releases carbon dioxide (and possibly carbon monoxide if there is not enough oxygen for complete combustion).

Special fire-fighting procedures:

Use protective clothing and breathing equipment appropriate to the surrounding fire.

Unusual fire and explosion hazards:

As is the case with any combustible dust, concentrations of airborne carbon/graphite dust can present a dust explosion hazard. If cutting or machining this material, use dust collection and practice good housekeeping to prevent dust accumulations and prevent situations where substantial amounts of dust can become airborne.

Flash point: Not applicable

Flammable limits: Not applicable

Section 6 – Accidental Release Measures

Sweep or vacuum spilled material and place into sealable containers. Avoid creating and breathing airborne dust. Dispose in accordance with applicable waste disposal regulations.

Section 7 – Handling and Storage

Practice good housekeeping to avoid the accumulation of dust in the workplace. Avoid creating and breathing airborne dust. Practice good hygiene. As a good practice, wash hands before eating, drinking or smoking and do not store food, or eat or drink, in areas where chemicals are handled.

Section 8 – Exposure Controls and Personal Protection

Exposure limits and guidelines:

Material	OSHA PEL 8-Hr TWA	ACGIH TLV 8-Hr TWA
Graphite	15 mg/m ³ (total) 5 mg/m ³ (respirable)	2 mg/m ³ (respirable)
Carbon	15 mg/m ³ (total) 5 mg/m ³ (respirable)	10 mg/m ³ (total) 3 mg/m ³ (respirable)

Other jurisdictions may have different exposure limits and control guidelines. Users are advised to consult and comply with local regulations.

Engineering controls:

Use good housekeeping practices. Use general or local exhaust ventilation, if necessary, to reduce concentrations of airborne contaminants.

Personal protective equipment:

Use NIOSH-approved respiratory protective equipment (for example, an N-95 dust mask) if exposures exceed established limits.

General hygiene considerations:

As a good practice, wash hands before eating, drinking or smoking and do not store food, or eat or drink, in areas where chemicals are handled.

Section 9 – Physical and Chemical Properties

Appearance:	Black solid	Odor:	No odor
Odor threshold:	Not applicable	pH:	Not applicable
Melting point:	Not applicable	Boiling point:	Not applicable
Flash point:	Not applicable	Evaporation rate:	Not applicable
Flammability:	Not applicable	LEL/UEL:	Not applicable
Vapor pressure:	Not applicable	Vapor density:	Not applicable
Relative density:	Not applicable	Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not applicable	Autoignition temperature	Not applicable
Decomposition temperature:	Not applicable	Viscosity:	Not applicable

Section 10 – Stability and Reactivity

This material is stable and non-reactive.

Section 11 – Toxicological Information

None of the materials in this product are listed as a carcinogen by the International Agency for Research on Cancer (IARC), US OSHA or the US Department of Health and Human Services National Toxicology Program (NTP).

Additional toxicological information is available through the U.S. National Institute for Occupational Safety and Health (NIOSH) Registry of Toxic Effects of Chemical Substances (RTECS). See website: <http://www.cdc.gov/niosh/ipcsneng/nengrtec.html>.

Graphite RTECS # MD9659600

Carbon RTECS # FF5250100

Section 12 – Ecological Information

Carbon/graphite is relatively inert and would be expected to be of negligible consequence in the environment.

Section 13 – Disposal Considerations

This product does not contain substances that could cause it to be hazardous waste, if disposed. Dispose in accordance with applicable waste disposal regulations.

Section 14 – Transport Information

This product is not regulated as a hazardous material for transportation purposes by any known authority.

Section 15 – Regulatory Information

All materials in this product are listed on the US EPA Toxic Substances Control Act (TSCA) inventory.

Section 16 – Other Information

	HMIS Rating
Health	1*
Flammability	1
Physical Hazard	0

* indicates possible chronic health effects from continuing exposures

Carbon Composites Inc.'s product grades associated with this SDS:

CCP-xxx-xx, CCC-130-12, CFS-100-12/6, RTB-317, RFB-210, RSB-225, CRB-220, CSB-230, CBB-280, CEI-270, RFC-200, CSP-230

This SDS may also apply to other grades. Refer to the label on the product. The label will refer you to the SDS associated with that product.

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