




# MATERIAL SAFETY DATA SHEET

MSDS NO. 101



Revision Date: 3/22/13  
Replaces 3/22/10 Version

## SECTION I - IDENTIFICATION

<b>SGL CARBON, LLC</b> 10130 Perimeter Parkway Charlotte, NC 28216 <b>Product Name:</b> Carbon/Graphite Grades and Graphitized Cathode Blocks <b>Chemical Name:</b> Carbon <b>Synonyms:</b> Synthetic Carbon, Synthetic Graphite <b>Telephone:</b> SGL Carbon: (704) 593-5100 CHEMTREC: (800) 424-9300	Hazard Rating System (0=Minimal – 4=Extreme)		
		HEALTH	<b>0</b>
		FIRE	<b>0</b>
		REACTIVITY	<b>0</b>

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	C.A.S. NO.
Graphite	>99	7782-42-5

## SECTION III - OCCUPATIONAL EXPOSURE LIMITS

**OSHA PEL:** 15 mg/m<sup>3</sup> as total nuisance particulate; 5 mg/m<sup>3</sup> as respirable fraction

**ACGIH TLV:** 10 mg/m<sup>3</sup> as total nuisance particulate; 2 mg/m<sup>3</sup> as respirable fraction

**NIOSH:** None

**CARCINOGEN:** NTP No IARC No OSHA No

## SECTION IV - HEALTH HAZARDS

**Effects of exposure:**

Prolonged and repeated overexposure to dust may lead to pneumoconiosis. Dust particles may cause mechanical irritation to the eyes and skin. Individuals with pre-existing chronic respiratory impairment or with serum antitrypsin deficiency may be at increased risk of pneumoconiosis.

## SECTION V - EMPLOYEE PROTECTION

**Respiratory Protection:** NIOSH approved respirator for dust when overexposure exists.

**Eye Protection:** Safety glasses with side shields

**Protective Gloves:** None

**Other Protective Equipment:** None

**Ventilation:** Point of operation

## SECTION VI - FIRST AID

**Skin Contact:** Wash affected area with soap and water especially before eating, smoking, and at the end of work shift.

**Eye Contact:** Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, call a physician.

**Inhalation:** Remove to fresh air. If breathing has stopped, administer artificial respiration and supply oxygen. Seek medical attention.

**Ingestion:** N/A

## SECTION VII - FIRE AND EXPLOSION DATA

**Flash Point** Does not flash.

**Flammable Limits:** N/A LEL \_\_\_\_\_ UEL \_\_\_\_\_

**Extinguishing Media:** Water, carbon dioxide, dry chemical, foam

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus

**Unusual Fire and Explosion Hazards:** None

## SECTION VIII - SPECIAL PRECAUTIONS

**Precautions for Handling and Storing:**

None

**Other Precautions:**

Carbon fibers are electrically conductive. Dust accumulation may cause electrical short circuits or other malfunctions.

## SECTION IX - ENVIRONMENTAL PROTECTION

**Spill or Leak Procedures:**

Normal housekeeping practices. Sweep, shovel, or vacuum to clean up.

**Waste Disposal Method:**

Dispose of according to local, state, and federal regulations.

## SECTION X - PHYSICAL DATA

<b>Boiling Point</b> (°F)	N/A	<b>Vapor Pressure</b> (mm Hg)	N/A	<b>Spec. Gravity</b> (H <sub>2</sub> O = 1)	N/A
<b>Vapor Density</b> (Air = 1)	N/A	<b>Evaporation Rate</b> (_____ = 1)	N/A	<b>Solubility</b> in Water	Not soluble
<b>Percent Volatile</b> by Volume	N/A	<b>Appearance</b> Dark gray to black solid		<b>Density</b>	1.8 g/cm <sup>3</sup>

## SECTION XI - REACTIVITY DATA

 Unstable

 Stable

**Hazardous**  
Polymerization

 May Occur

 Will not occur

**Conditions and Materials to Avoid:**

None

**Hazardous Decomposition Products:**

None if handled in accordance with description.

## SECTION XII - TRANSPORTATION

This product is not regulated by the US Department of Transportation (DOT), the International Air Transport Associations (IATA) or the International Maritime Dangerous Goods code (IMDG).

## SECTION XIII - REFERENCES

<b>OSHA:</b>	29 CFR 1910.1000, Table Z-1-A
<b>ACGIH:</b>	Documentation of Threshold Limit Values - Current Edition
<b>SAX:</b>	Dangerous Properties of Industrial Materials - Current Edition
<b>MSDS:</b>	Ringsdorff – 4/23/92

Prepared by: Corporate Safety

DATE: 3/22/13  
(Replaces 3/22/10 Version)