

SAFETY DATA SHEET

SDS NA-SC107

Section 1 – Product and Supplier Identification

Product identifier used on the label: Carbon Mixes with Carbon Black

Other means of identification: Not applicable

Uses (and restrictions): Customer applications for specialty carbon products that contain carbon black, in powder, granular or pellet form

Supplier and contact information:

Morgan Advanced Materials +1(864)458-7777
251 Forrester Drive www.morganspecialitygraphite.com
Greenville, SC 29607 USA

Emergency phone number: +1(864)458-7777
08:00-17:00 local time M-F

Section 2 – Hazard Identification

Classification:

Classified as hazardous for carcinogenicity (Category 2) under the Globally Harmonized System of Classification and Labelling and the US OSHA Hazard Communication Standard.

Signal word, symbols, hazard and precautionary statements:

Warning



Hazard Statements: Suspected of causing cancer by inhalation.

Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

If exposed or concerned: Get medical advice/attention.

Dispose of contents/container in accordance with local and national regulations.

Other information about health hazards:

Dust from this material may cause minor irritation of skin and eyes. 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.

Carbon black is a possible carcinogen, possibly causing an increased risk of lung cancer through inhalation.

Other information about physical hazards:

Carbon/graphite dust is 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	0-99%
Carbon	7440-44-0	0-99%
Carbon Black	1333-86-4	1-90%

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

Powders containing carbon, graphite and carbon black are combustible.

Suitable extinguishing media:

Use an extinguisher that is suitable for the surrounding fire.

Combustion hazards:

When burned, carbon-type materials release 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-type dust can present a dust explosion hazard. 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: 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)	2.0 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)
Carbon Black	3.5 mg/m ³	3.5 mg/m ³

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:

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 powder/pellets	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:	Very high
Decomposition temperature:	Very high	Viscosity:	Not applicable

Section 10 – Stability and Reactivity

This material is stable and non-reactive.

Section 11 – Toxicological Information

The International Agency for Research on Cancer lists carbon black as a Group 2B carcinogen (possibly carcinogenic to humans based on animal studies).

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
Carbon Black RTECS # FF5800000

Section 12 – Ecological Information

Carbon powders are 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, under federal regulations in the United States. Other jurisdictions might have different regulations. Dispose in accordance with applicable waste disposal regulations.

Section 14 – Transport Information

This product is not regulated by the US Department of Transportation as a hazardous material for shipping purposes.

Section 15 – Regulatory Information

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

California Proposition 65: This product contains chemicals (carbon black) that are known to the State of California to cause cancer.



Ingredients in this product cause it to be classified as Class D, Division 2, Subdivision A under Canada Controlled Products Regulations (WHMIS).

Section 16 – Other Information

	HMIS Ratings
Health	1*
Flammability	1
Physical Hazard	0

* indicates possible chronic health effects from continuing exposures

Reasonable care has been taken in the preparation of information contained in this Safety Data Sheet and the information is provided in good faith. Morgan Advanced Materials/National Electrical Carbon Products, Inc assumes no responsibility as to the accuracy of information drawn from other sources. No warranty, expressed or implied, is made. Information provided in this SDS has been prepared by competent and appropriately qualified and trained persons according to the US OSHA Hazard Communication Standard and Canada Controlled Products Regulations (WHMIS).

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Prepared by Norb Dickmann, EHS Manager