

MATERIAL SAFETY DATASHEET

Material Supplier: Helix Material Solutions, Inc.
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Section 1 Chemical Identification.....

Chemical Name: Single Wall Carbon Nanotube (SWCNT)
Chemical Formula: Carbon
CAS Number: 7782-42-5 (graphite)

Section 2 Composition and Information on Ingredients

Carbon Nanotubes: > 90 % purity
Impurities: < 2 wt%

Section 3 Hazards Identification.....

No known hazards, but may cause irritation to eyes, skin, respiratory system, and gastrointestinal tract

Section 4 First Aid Measures.....

Eye Contact: Immediately flush eyes with large amounts of water
Skin Contact: Immediately wash affected area with large amounts of water
Inhalation: Remove to fresh air. If difficulties persist, get medical attention.
Ingestion: Wash out mouth with water. If large amounts swallowed, get medical attention.

Section 5 Fire Fighting Measures.....

Flash Point: None known
Flammability: No known fire or explosion hazards
Extinguisher Medium: Water, Carbon Dioxide, Dry Chemical, or Foam
Special Procedures: None
Decomposition Products: Carbon Monoxide, Carbon Dioxide

Section 6 Accidental Release Measures.....

If spilled, sweep into a suitable container for waste disposal.

Section 7 Handling and Storage.....

Avoid handling material in presence of air drafts or near fans. Keep in a closed container and store in a cool and dry place.

Section 8 Exposure Controls and Personal Protection.....

Eye Protection: Use safety goggles or glasses
Respiratory Protection: Wear high-efficiency particle respirator to prevent inhalation
Skin Protection: Wear gloves and protective clothing to prevent skin contact

Section 9 Physical and Chemical Properties

Appearance: Clumpy, black or dark gray powder
Boiling Point: Not known
Solubility in Water: Insoluble
Decomposition: Decompose in air above 600°C
PH value: 6-7
Odor: Odorless

Section 10 Stability and Reactivity

Stability: Stable
Incompatibilities: Strong oxidizing agents

Hazardous Polymerization: No
Hazardous Decomposition: May produce dense smoke, carbon monoxide, carbon dioxide
Conditions to Avoid: None known

Section 11 Toxicological Information

No known toxicological hazards.

Section 12 Ecological Information.....

Data not yet available.

Section 13 Disposal Considerations

Follow all local, state, and federal regulations for disposing of this material.

Section 14 Transportation Information.....

No regulations. Contact Helix Material Solutions, Inc. for packing and transportation information.

Section 15 Regulatory Information.....

This material is listed and regulated by the US Toxic Substances Control Act (TSCA).

Section 16 Other Information.....

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