

MATERIAL SAFETY DATASHEET

Material Supplier: Helix Material Solutions, Inc.
819 W Arapaho Road, Suite 24B-187
Richardson, Texas 75080
tel: 214-738-7036
email: tech@helixmaterial.com

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: 50-70 vol% purity
Impurities: includes nickel, yttrium, and trace amounts of other catalysts

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. Not a hazardous material for transportation.

Section 15 Regulatory Information.....

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

Section 16 Other Information.....

Disclaimer: This information, opinions, and recommendations contained in this document are compiled from sources believed to be reliable. However, this document is intended only as a guide. Helix Material Solutions, Inc. does not in any way warrants or implies the applicability, viability, or use of this information to any person or for uses any situation. Helix Material Solutions, Inc. accepts no responsibility for damages resulting from the use of this information and from handling the above product.

Revised Date: August 29, 2008