



Section 1 - Chemical Product and Company Identification

Product Name HMWCNT Type1- Carbon Nanotubes Multi Walled Helical
Product Code 34528
CAS No 308068-56-6
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
308068-56-6	Carbon Nanotubes		

Section 3 - Hazards Identification

Emergency Overview

OSHA Hazards : Irritant

GHS Classification : Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3)

Hazard statement(s)

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health hazard: 2 Flammability: 0 Physical hazards: 0

NFPA Rating

Health hazard: 2 Fire: 0 Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin : May be harmful if absorbed through skin. Causes skin irritation.

Eyes : Causes eye irritation.

Ingestion: May be harmful if swallowed.

Section 4 - First Aid Measures

Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

skin : Wash off with soap and plenty of water. Consult a physician.

Eye : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.



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Section 5 - Fire Fighting Measures

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for fire-fighting if necessary.

Hazardous combustion products: Hazardous decomposition products formed under fire conditions. - Carbon oxides.

Section 6 - Accidental Release Measures

Personal precautions : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions : Do not let product enter drains.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust.

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Control / Personal Protection

Personal Protective Equipment

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye Protection: Safety glasses

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical and Chemical Properties

Form: solid

Melting point: : 3,652 - 3,697 °C

: 2.1 g/mL at 25 °C (77 °F)

Water solubility: insoluble

Density

Section 10 - Stability and Reactivity



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Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : no data available

Conditions to avoid : no data available

Materials to avoid : Strong oxidizing agents

Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 - Toxicological Information

Oral LD50 : no data available

Inhalation LC50 : no data available

Dermal LD50 : no data available

Other information on acute toxicity : no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available

Germ cell mutagenicity : no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name: Flammable Solids, organic n.o.s. (Fullerence nanotube)	Flammable Solids, organic n.o.s. (Fullerence nanotube)	Flammable Solids, organic n.o.s. (Fullerence nanotube)	Flammable Solids, organic n.o.s. (Fullerence nanotube)
Hazard Class:	4.1	4.1	4.1
UN Number:	1325	1325	1325
Packing Group:	III	III	III

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.



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Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.