



## Section 1 - Chemical Product and Company Identification

**Product Name** MWCNT-Ni Type 2 Carbon Nanotubes Multi Walled , Nickel coated  
**Product Code** 53105  
**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
<b>Shipping Name:</b>	Flammable Solids, organic n.o.s. (Fullerence nanotube)	Flammable Solids, organic n.o.s. (Fullerence nanotube)	Flammable Solids, organic n.o.s. (Fullerence nanotube)
<b>Hazard Class:</b>	4.1	4.1	4.1
<b>UN Number:</b>	1325	1325	1325
<b>Packing Group:</b>	III	III	III

## Section 15 - Regulatory Information

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



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# Safety Data Sheet

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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.