

****MATERIAL SAFETY DATA SHEET****

****SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****

MSDS Name : carbon nanotubes

Stock number: 10203050TN

Synonyms : CNT

Manufacturer/Supplier : Chengdu Organic Chemicals Co., Ltd. Chinese Academy of Sciences

For information, call : 8628-85228839

For emergencies, call : 8628-66306186

****SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS****

CAS#	Chemical Name	%
<u>Fullerene (CAS# 99685-96-8), 95%</u>	<u>Carbon nanotubes</u>	<u>90%</u>

****SECTION 3- HAZARDS IDENTIFICATION ****

Hazard description: Xi Irritant

Information pertaining to particular dangers for man and environment:

R 36/37 Irritating to eyes and respiratory system.

****SECTION 4- FIRST AID MEASURES ****

After inhalation : Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

After skin contact : Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing : Seek immediate medical advice.

****SECTION 5- FIRE FIGHTING MEASURES ****

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

****SECTION 6- ACCIDENTAL RELEASE MEASURES ****

Spills/ Leaks: Ensure adequate ventilation.

****SECTION 7- HANDLING and STORAGE ****

Handling : No special measures required.

Storage : Keep container tightly sealed.

****SECTION 8- EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Keep container tightly sealed.

Personal Protective Equipment: Not determined

******SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES ******

Physical State: Powders

Odor: Odorless

Vapor Pressure: Not determined

Melting range: 3652-3697 ° C

Auto ignition Temperature: Not determined

Explosion Limits, lower: Not determined

Decomposition Temperature: Not determined

Specific Gravity/Density: Not determined

Molecular Weight: 12

Color: Black

PH: Not determined

Viscosity: Not determined

Freezing/Melting Point: Not determined

Flash Point: Not determined

Density: at 20 ° C ~ 2.1 g/cm³

Solubility in water: Not determined

Molecular Formula: C

******SECTION 10- STABILITY AND REACTIVITY******

Chemical Stability: Very steady

Conditions to Avoid: Oxidizing agents/ Acids/ /Alkali metals

******SECTION 11- TOXICOLOGICAL INFORMATION******

******SECTION 12- ECOLOGICAL INFORMATION******

******SECTION 13- DISPOSAL CONSIDERATIONS******

******SECTION 14- TRANSPORT INFORMATION******

Reported by:

Company Name: Chengdu Organic Chemicals Co., Ltd, Chinese Academy of Sciences

Date: 5/16/2005

Authorized person: Lihongrong

Signature: _____