















<u>New Wo</u>	rld of N	lanowast	<u>es</u>	
RAW SINGLE-W Mu Notation Polytomorphic University Compute Ro-Partic 2050 (GEECE	ALL CARBON NANG terial Safety Data Sta Tal. +30.2010.0005 Fax. +30.2010.0005 information.com http://www.aan.data	DTUBES (SWNT) et 27 A. come		
1. Product Composition :	and Specifications			
B. CHAT		1		
Kaw SWN11		Characterization method		
Production method	CCVD	-		
Available form	Black powder			
Diameter	0.8-1.2 mm	TEM, Raman		
Length	2798	SEM, TEM		
Bundlet	15-30 mm	SEM, TEM		
Nanarubei purity	<70%	TGA, SEM		
Metal particles	>30%	TGA		
Amorphone carbon (in the predetermined Nancoubes purity)	<35	TG4, Raman		
		-01		
2. Hazards Identification Indication of Bazards in Human and the Eavironme	Transing to open and to	nganosy system.		
Dee Cremit 23/03/2000 Dee Re	staat 13-03-2006			
				Mr. Tracy D. Hes 8 of2

	New World of Nanowastes					
P] 1.1	RODUCT AND COMPANY IDENTIFICATION DATE: October 03 Product NameTin Oxide Nanopowder					
1.2	Chemical Symbol - Tin (IV) oxide SnO 2 Synonyms: Stannic oxide, tin dioxide					
	Special care should be taken to avoid ingestion, inhalation, skin contact or eye contact					
1.3	This powder is an experimental sample, comprised of loosely					
	aggregated ultrafine nanometer particles. No data					
yet exists on the effects of such fine particles on the body.						
	Special care should be taken to avoid ingestion,					
2. COM Suppliec 2.1	inhalation, skin contact or eye OSITION / INFORMATION ON INGREDIENTS in the following purities Tin Oxide Nanopowder CAS No: 18282-10-5 EINECS: 2421590					
3. HAZ	RDS IDENTIFICATION					
4. FIR 4.1 4.2	St AID MEASURES Ingestion No data available but seek medical advice immediately. Skin Contact					
		Mr. Tracy D. Hester 9 of27				





<u>New World of Nanowastes</u> TSCA Reporting						
8EHQ-0403-15319						
April 10, 2003 But this dial Liveoury the web of forwards of the set of the	TSCA 8(e) Notice for CNT health Effects, Du Pont, April 10, 2003					
Carbon Nanotubes This letter is to inform you of the results of a recently completed pulmonary bioassay screening study in rats with the above referenced test material. A pulmonary bioassay screening study was conducted in which the lung toxicity of the test substance, single wall carbon nanotube (CNT) soct was compared with phosphate buffered saline (PSS), quartz particles, carbony into particles and graphite particles. The material instilled was in the form of carbon soct which contained ropes of nanotubes (weight fraction ~30-40%) as						
	Mr. Tracy D. Hester 12 of27					





Nanoiron on Medaka Fish Gils

















NANOTECHNOLOGY AND OSWER New opportunities and challenges



