

MATERIAL SAFETY DATA SHEET

Identity		DENATONIUM SACCHARIDE	
Section 1			
Manufacturer's Name		CnerG-Tech Corporation	
Address (Number, Street, and Zip Code)		102, Vatsa, Panchrishi CHS, Sant Namdeo Path.	
Dombivli - 421201		Date Prepared January 2004	
		Signature of Preparer (optional)	
Section 2 - Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity: Common Name (s)) OSHA PEL ACGIH TLV other limits recommended % (optional)			
Components: Typical Assay (dry)			
Benzyl-diethyl [(2,6-xylyl-carbamoyl) methyl] ammonium saccharide 99.5-101.0%			
Molecular Formula: C ₂₈ H ₃₃ N ₃ O ₄ S			
CAS: 90823-38-4		MW: 507.626	
Section III - Physical/Chemical Characteristics			
Boiling Point	NA	Specific Gravity (H ₂ O -1)	NA
Vapor Pressure (mm Hg)	NA	Melting point	175 178° C
Vapor Density (AIR=1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water: 3 7ppm			
Appearance and Odor: White odorless crystalline powder			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used)	Flammable Limits	LEL	UEL
Above melting point			
Extinguishing Media: Water, foam, CO ₂ or dry powder			
Special Fire Fighting Procedures: Wear self-contained breathing apparatus			
Unusual Fire and Explosion Hazards: None. May liberate CO, NO _x			
Section V - Reactivity Data			
Stability	Unstable		Conditions to avoid
	Stable	X	
Incompatibility (Materials to Avoid)			
Hazardous Decomposition or Byproducts: CO, CO ₂ , NO _x			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	
Section VI - Health Hazard Data			
Route(s) of Entry: Inhalation? Skin:: Ingestion? Yes No Yes			
Health Hazards (Acute Chronic) LD ₅₀ : 1430 mg/kg (rat, oral acute) Dust Inhalation			
Carcinogenicity: NTP? IARC Monographs? OSHA Regulate? No			
Signs and Symptoms of Exposure: Profuse bad taste, sneezing			
Medical Conditions Generally Aggravated by Exposure			

Emergency and First Aid Procedures Skin & Eyes Flush with water and obtain medical advice		
Ingestion Obtain medical advice		
Section VII - Precautions for Safe Handling and Use		
Steps to Be Taken In Case Materials Is Released or Spilled Flush away copious amounts of water. Wash down area thoroughly with water		
Avoid Inhalation		
Waste Disposal Method Flush away with copious amounts of water		
Precautions to Be Taken In Handling and Storing Extremely bitter; avoid oral contact (1:100,000,000 detection)		
Wash thoroughly after handling; store well sealed		
Other Precautions Low vol. air exchange. Launder clothing after use.		
Section VIII - Control Measures		
Respiratory Protection (Specify Type) Wet filter mask		
Ventilation	Local Exhaust Recommended	Special
	Mechanical (General)	Other
Protective Gloves Recommended	Eye Protection Goggles - recommended	
Other Protective Clothing or Equipment		
Work/Hygienic Practices Handle in fume hood or glove box to avoid taste.		

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