

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label and List): Microcide TB Disinfectant Cleaner Product Class: Disinfectant cleaner, EPA #1839-83-5449 Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 651-481-1900 Manufacturer's Name and Address: Multi-Clean®, A Division of Minuteman International, Inc. 600 Cardigan Road Shoreview, MN 55126		
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS		
Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s)	%
A	Tetrasodium EDTA tetrahydrate CAS# 64-02-8	1 - 5
B	Diethylene glycol monobutyl ether CAS #112-34-5	5 - 10
C	Water CAS #7732-18-5	60 - 100
SECTION III - HAZARDS IDENTIFICATION		
Emergency Overview		
Appearance and Odor: Clear liquid, floral aroma. Primary Hazards: Irritant		
Potential Health Hazards		
Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X Eye: May cause irritation on contact. Skin: May cause irritation on contact. Ingestion: May be harmful if swallowed. Inhalation: Overexposure to vapors may be harmful. Signs and Symptoms of Exposure: Irritation Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No Target Organ (s): Eyes, skin, kidneys, mucous membranes. Medical Conditions Generally Aggravated by Exposure: N. Av. Health Hazards, Chronic: N. Av.		
SECTION IV - FIRST AID MEASURES		
Emergency and First Aid Procedures: If Swallowed: Drink several glasses of water and call a physician immediately. Avoid alcohol. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush with cool water. Remove and wash contaminated clothing before reuse. Sources Used: Raw material data, general toxicology from the trade for similar products, EPA approved label.		
SECTION V - FIRE FIGHTING MEASURES		
Flammability: No Autoignition Temperature: N. Av. Flash Point (method used): >200°F Flammable Limits: N. Av. LEL UEL Extinguishing Media N. Av. Water? Foam? Water Fog? Alcohol Foam? CO ₂ ? Dry Chemical? Vaporizing Liquid? Other? Special Fire Fighting Procedures: N. Av. Unusual Fire and Explosion Hazards: N. Av. TDG Flammability Classification: Non-flammable Sensitivity to Mechanical Impact: None Sensitivity to Static Discharge: None		
SECTION VI - ACCIDENTAL RELEASE MEASURES		
Steps to be Taken in Case Material is Released or Spilled: Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.		
SECTION VII - HANDLING AND STORAGE		
Precautions to be Taken in Handling and Storing: Do not contaminate food or water by storage or disposal. Store only in original containers. See label instructions for container disposal. Do not reuse empty container. Other Precautions: Keep out of reach of children. Do not breathe spray mist.		
SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION		
Respiratory Protection (Specify Types): Not required. Dust/mist respirator is recommended to prevent inhalation of mists when spraying cleaning chemicals. Ventilation: Local Exhaust: Not required Special: Not required Mechanical (General): Provide ventilation adequate to disperse cleaner vapors and or mists. Other: Not required Protective Gloves: Natural rubber or synthetic. Eye Protection: Approved safety goggles or glasses. Footwear: Not required Other Protective Clothing or Equipment: Not required Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.		

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: Approximately 212°F (100°C)		pH: 11.5			
Specific Gravity (H₂O) = 1: 1.01		% Volatile: 60 - 100			
Vapor Density (Air = 1): N. Av.		Odor Threshold: N. Av.			
Evaporation Rate (Butyl Acetate = 1): N. Av.		Oil/Water Distribution Coefficient: N. Av.			
Solubility in Water: Complete					
Vapor Pressure (MM HG): N. Av.					
Melting Point: N. Av.					
SECTION X - STABILITY AND REACTIVITY					
Stability: Unstable: Stable: X					
Conditions to Avoid: N. Av.					
Incompatibility (materials to avoid): Do not mix with other cleaners or deodorants.					
Hazardous Decomposition or By-products: N. Av.					
Hazardous Polymerization: May occur:		Will not occur: X			
Conditions to Avoid: N. Av.					
SECTION XI - TOXICOLOGICAL INFORMATION					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	> 2,000 mg/kg (rat, oral)	N. Av.
B	N. Av.	N. Av.	35 ppm	N. Av.	N. Av.
C	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No Toxicologically Synergistic Products: N. Av.					
SECTION XII - ECOLOGICAL INFORMATION					
Ecotoxicological Information: N. Av. Chemical Fate Information: N. Av.					
SECTION XIII - DISPOSAL CONSIDERATIONS					
Waste Disposal Method: Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal product use (according to manufacturer's directions) may be sewered in compliance with local, state and federal regulations. RCRA Hazard Class: Regulated by FIFRA					
SECTION XIV - TRANSPORT INFORMATION					
Shipping Classification: Compound, cleaning liquid, N.O.I. UN Number: N. Av. Packing Group: N. Av.					
SECTION XV - PREPARATION DATA					
Prepared By: James Tracy Telephone Number: 651-481-1900 Date: 3/02					
SECTION XVI - REGULATORY INFORMATION					
US Federal Regulations					
TSCA Status: All ingredients listed. CERCLA Reportable Quality: N. Av. SARA Title III Section 302 Extremely Hazardous Chemicals: None Section 311/312 Hazard Category: Immediate health, chronic health Section 313 Toxic Chemicals: Glycol ether					
State Regulations					
NOTICE STATE OF CALIFORNIA Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.					
International Regulations WHMIS Controlled Product Hazard Class: D2B					
SECTION XVII - OTHER INFORMATION					
None					
N. Av. - Not Applicable; N.Av. - Not Available					

NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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