

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION			
Identity (As Used on Label and List): Guardian CQ , Century Q 256, Purple Label			
Product Class: Disinfectant cleaner, EPA #10324-141-5449			
Emergency Telephone Number: 800-255-3924			
Telephone Number for Information: 651-481-1900			
Manufacturer's Name and Address: Multi-Clean® 600 Cardigan Road Shoreview, MN 55126			
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Components (Specific Chemical Identity):			
Chemical	Common Name(s)	%	
A	Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₆) CAS #68424-85-1	6.76	
B	Didecyl dimethyl ammonium chloride CAS #7173-51-5	10.14	
C	Alcohol Ethoxylates CAS #34398-01-1	1 - 5	
D	Ethyl Alcohol CAS #64-17-5	2 - 3	
E	Water CAS #7732-18-5	60 - 100	
SECTION III - HAZARDS IDENTIFICATION			
Emergency Overview			
Appearance and Odor: Purple Liquid, Floral Aroma.			
Primary Hazards: Corrosive			
Potential Health Hazards			
Route(s) of Entry:	Skin Absorption: X	Ingestion: X	Inhalation: X
Eye: Causes irreversible eye damage. May cause burns if contact occurs.			
Skin: May cause burns if contact occurs.			
Ingestion: May be harmful or fatal if swallowed.			
Inhalation: No unusual vapor hazards.			
Signs and Symptoms of Exposure: Irritation and/or burning sensation on contact.			
Carcinogenicity: NTP? No IARC Monographs? No			
OSHA Regulated? No			
Target Organ (s): Eyes, skin and 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 IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Call a poison control center or doctor for treatment advice. Have the container or label with you when calling a poison control center or doctor, or going for treatment.			
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): > 230°F (closed cup)			
Flammable Limits: N. Av.	LEL UEL		
Extinguishing Media			
Water? X	Foam? X	Water Fog? X	
Alcohol Foam?	CO ₂ ? X	Dry Chemical? X	
Vaporizing Liquid?	Other?		
Special Fire Fighting Procedures: N. Av.			
Unusual Fire and Explosion Hazards: Products of combustion are toxic.			
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): Normal good ventilation sufficient.			
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: 7 - 7.5				
Specific Gravity (H ₂ O) = 1: 1.00	% Volatile: > 75				
Vapor Density (Air = 1): N. Av.	Odor Threshold: N. Av.				
Evaporation Rate (Butyl Acetate = 1): N. Av.	Oil/Water Distribution				
Solubility in Water: Complete	Coefficient: N. Av.				
Vapor Pressure (MM HG): N. Av.					
Melting Point: N. Av.					
SECTION X - STABILITY AND REACTIVITY					
Stability: Unstable: X	Stable: X				
Conditions to Avoid: N. Av.					
Incompatibility (materials to avoid): Do not mix with other cleaners or deodorants.					
Hazardous Decomposition or By-products: Thermal decomposition may produce toxic vapors/fumes of amines or other organic materials, and oxides of carbon and nitrogen.					
Hazardous Polymerization: May occur: X	Will not occur: X				
Conditions to Avoid: N. Av.					
SECTION XI - TOXICOLOGICAL INFORMATION					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A & B	N. Av.	N. Av.	N. Av.	320 mg/kg (rat, oral) estimate	N. Av.
C	N. Av.	N. Av.	N. Av.	0.7 - 1.7 gm/kg (rat, oral)	N. Av.
D	1000 ppm	1000 ppm	N. Av.	N. Av.	N. Av.
E	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
Product LD50: >1000 mg/kg (rat, oral) estimate					
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: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.					
RCRA Hazard Class: Regulated by FIFRA					
SECTION XIV - TRANSPORT INFORMATION					
Shipping Classification: One gallon or less: DOT: ORM D Consumer Commodity					
IATA & IMDG: Disinfectant Liquid Corrosive (Quaternary Ammonium compound), Class 8					
UN Number: 1903					
Packing Group: III					
SECTION XV - PREPARATION DATA					
Prepared By: Mike Elms					
Telephone Number: 651-481-1900					
Date: 10-11					
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 hazard					
Section 313 Toxic Chemicals: None					
State Regulations					
International Regulations					
WHMIS Controlled Product Hazard Class: D, 2B					
SECTION XVII - OTHER INFORMATION					
None					
N. Av. - Not Applicable; N. Av. - Not Available					
NFPA SYSTEM					
2 A. Health Hazard		1 A. Fire Hazard		0 A. Reactivity Hazard	
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