



Material Safety Data Sheet

U.S. Department of Labor

ABBREVIATIONS

N/av. = Not available; N.D. = Non Detected

HAZARD RATINGS

4-extreme; 3-high; 2-moderate; 1-slight; 0-none

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

IDENTITY (As Used on Label and List) Solutions D Neutral pH Disinfectant Concentrate	NFPA Hazard Rating: Health – 1; Flammability – 0; Reactivity - 0
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Section I – Contact information

Sold By: Solutions Safety Services, Inc.	Emergency Telephone Number: 1-800-424-9300 (24 hr)
Address: (Number, Street, City, State, and ZIP) PO Box 2235	Telephone Number for Information: 1-714-843-5653
Costa Mesa, CA 92628	Date Prepared: April 14, 2004
EPA Registration Number: 1839-166-8112	Signature of Preparer: (optional) (On File)

Section II - Hazard Ingredients/Identity Information

Hazardous Components: (Specific Chemical Identity; Common Name(s))	%	CAS NUMBER	OSHA PEL's	ACGIH TLV
Alkyl dimethylbenzyl ammonium chloride	4.3	68424-85-1		
Di(octyl-decyl) dimethyl ammonium chloride	6.5	68424-95-3		
Ethyl alcohol	2.6	64-17-5		

Section III - Physical/Chemical Characteristics

Physical state	Liquid	pH	6.6- 7.0
Boiling Point	212° F	Freezing Point	34° F
Vapor Pressure (mm Hg.)	N/av.	Specific Gravity (H ₂ O = 1)	>1
Vapor Density (AIR = 1)	>1	Evaporation Rate (Acetate = 1)	<1
Solubility in Water: Completely soluble in water			
Appearance and Odor: Green liquid with lemon fragrance.			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): >200°F SETA	Flammability: No	LEL: N/av.	UEL: N/av.
Unusual fire and explosion hazards: None	Means of extinction: Use dry chemical, carbon dioxide, synthetic foam or water, type BC or ABC extinguishers.		
Special procedures: Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.			
Sensitivity to impact: None		Sensitivity to static: None	

Section V - Reactivity Data

Chemical stability: Stable
Incompatibility with other substances: Anionics and strong oxidizing agents
Reactivity: Not reactive under normal conditions
Hazardous Decomposition: None known

Section VI – First Aid Data and Health Hazards

INGESTION: Major. 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.			
EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.			
INHALLATION: Minor irritation. Remove victim to fresh air. If breathing has stopped, call 911 or have a trained person perform artificial respiration. Seek medical care.			
SKIN: Remove contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.			
Effects of acute exposure: Minor irritation can occur from liquid mist or vapour contacting respiratory tract, eyes, and skin. Toxic by ingestion.			
Effects of chronic exposure: N/av.			
Carcinogenicity: N/av.	Teratogenicity: N/av.	Reproductive toxicity: N/av.	Mutagenicity: N/av.

Section VII - Precautions for Safe Handling, Use, and Control Measures

Gloves: neoprene, nitrile, butyl rubber, or polyvinyl alcohol are recommended.	Eye Protection: Chemical safety goggles or face shield is recommended.
Respirator: If heavy fumes or vapours are present, use a MSHA or NIOSH approved respirator.	Clothing: Apron
Footwear: Impervious boots using same materials as for gloves.	Other: Emergency eyewash or shower should be available.
Leak and spill procedures: Soak up small spills with absorbent materials. Prevent run-off from reaching sewers, storm drains, or natural water bodies.	
Waste Disposal: Dispose of according to federal, state, and local laws.	
Precautions to Be taken in Handling and Storing: Avoid overheating or freezing. Wear all appropriate PPE.	
Other Precautions: None	