

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION	
NFPA Rating: Health-1; Flammability-0; Reactivity-0; Special- - Manufacturer's Name: LYN DISTRIBUTING Address: 965 North Redwood Road North Salt Lake, Utah 84010	HMIS Rating: Health-1; Flammability-0; Reactivity-0; Personal Protection-B DOT Hazard Classification: Corrosive Material, 8 Identity (trade name as used on label): <b style="text-align: center;">COMMANDER DISINFECTANT CLEANER
Date Prepared: 05/10/97 Prepared By: STAN Information Calls: (801)295-5022 EMERGENCY RESPONSE NUMBER: 1(800)366-5022	MSDS Number: Revision - 5 <b style="text-align: center;">NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES <small>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)</small>	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	No	N/E	N/E	d
ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE	68956-79-6	No	N/E	N/E	d
POLY(OXY-1,2-ETHANEDIYL), ALPHA-(4-NONYLPHENOL)-OMEGA-HYDROXY	26027-38-3	No	N/E	N/E	d
SODIUM CARBONATE	497-19-8	No	N/E	N/E	d

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS	
Boiling Point: 100°C	Specific Gravity (H ₂ O=1): 1.04
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/D
Vapor Density (Air = 1): N/D	Evaporation Rate (water = 1): 1
Solubility in Water: Miscible	Water Reactive: No
Appearance and Odor: Clear, green or red or yellow, non-viscous water based liquid with characteristic odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA		
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition Temperature N/A	Flammability Limits in Air by % in Volume: % LEL: N/A % UEL: N/A
FLASH POINT AND METHOD USED (non-aerosols): None (water based). EXTINGUISHER MEDIA: Non-combustible. Use media applicable to surrounding fire.		SPECIAL FIRE FIGHTING PROCEDURES: Heating product to dryness & decomposition in a fire can liberate noxious & toxic fumes. Firefighters should wear NIOSH approved supplied atmosphere breathing apparatus.
Unusual Fire & Explosion Hazards: Decomposition & oxidation of product in a fire can liberate noxious and/or toxic fumes. See Section #4.		

SECTION 4 - REACTIVITY HAZARD DATA	
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
Incompatibility (Mat. to avoid): Aluminum metal, anionic surfactants, acids.	Conditions to Avoid: Excessive heat or cold.
Hazardous Decomposition Products: Oxides of carbon, nitrogen, hydrogen chloride, unidentified organic compounds.	

SECTION 5 - HEALTH HAZARD DATA	
PRIMARY ROUTES OF ENTRY: <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS	
ACUTE EFFECTS	
Inhalation: Mists of product can cause irritation to mucous membranes.	
Eye Contact: Can cause severe eye irritation, possibly damage.	Skin Contact: Repeated contact can cause severe irritation.
Ingestion: Toxic effects: Burning pain in mouth, throat, abdomen, swelling of larynx. Skeletal muscle paralysis, circulatory shock, convulsions.	
CHRONIC EFFECTS: None known.	
Medical Conditions Generally Aggravated by Exposure: Pre-existing irritation of skin and mucous membranes.	

EMERGENCY FIRST AID PROCEDURES	
Eye Contact: Flush with water for 15 minutes. Get medical attention.	
Skin Contact: Flush with water for at least 15 minutes.	
Inhalation: Remove to fresh air.	
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water or large quantity of milk, egg whites or gelatin solution. Get immediate medical attention.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES	
Respiratory Protection (specify type): None normally needed.	
Protective Gloves: Rubber or plastic.	Eye Protection: Safety glasses or chemical goggles.
Ventilation Requirements: Normal room ventilation is adequate.	
Other Protective Clothing & Equipment: Clothing as needed to minimize contact. Eyewash station and safety shower.	
Hygienic Work Practices: Do not eat, drink or smoke in work area. Wash hands after handling.	

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE	
Steps To Be Taken If Material Is Spilled Or Released: Contain spill. Keep out of sewers & open bodies of water. Soak up spill in inert absorbent material. Place in leak-proof containers. Seal & label properly for disposal.	
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.	
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep closed when not in use. Shelf life 1 year. Protect from extreme heat and cold.	
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions.	

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only