

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

AUG 01 1994

SECTION 1 - PRODUCT IDENTIFICATION			
Distributor PALMER COMPANY, INC.	Emergency Phone 414/547-2246		
Address P. O. Box 737, 1201 Sentry Dr., Waukesha, WI. 53186			
Trade Name PALM-X	Product Type Disinfectant		
SECTION 2 - INGREDIENTS			
CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT (optional)	TLV (Source)
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	5%	Not Established
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	5%	Not Established
SARA HAZARD: TITLE III, SECTION 313: Contains no Section 313 listed substances subject to reporting.			
SECTION 3 - PHYSICAL DATA			
Boiling point (°F.) 212°F	Specific Gravity (H ₂ O=1.0) 0.992 ± 0.005	pH 7.4 ± 0.5	
Vapor Pressure (mm Hg) Not Determined	Vapor Density (Air=1) Not Determined		
Solubility in water <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Signs (or Partial)			
Evaporation Rate (vs. H ₂ O) <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Appearance and Odor Clear liquid with characteristic odor.		
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.) 141 °F. <input type="checkbox"/> None to Boiling	Flammable Limits N/A Upper Lower		
Extinguishing Media Water Spray (Fog); Dry Chemical; CO ₂ ; Foam			
Special Firefighting Procedures Do not enter confined fire-spaces without protective clothing and self-contained air supply.			
Unusual Fire and Explosion Hazards None			
SECTION 5 - REACTIVITY DATA			
Stability Stable	Incompatibility Strong acids/oxidizers. Do not mix with chlorinated detergents (bleach).		
Hazardous Decomposition Products Burning may produce carbon monoxide, carbon dioxide and unidentified organic compounds.			
SECTION 6 - HEALTH HAZARD DATA			
Primary Routes of Exposure <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input type="checkbox"/> Inhalation <input type="checkbox"/> Other			
Signs and Symptoms of Overexposure (Acute)	Prolonged or repeated contact of concentrated product with skin and/or eyes may cause irritation, reddening and possible corneal damage. High vapor concentrations are irritating to eyes and respiratory tract. Ingestion may cause burns of mucous membranes, nausea, vomiting and narcotic effects.		
Signs and Symptoms of Overexposure (Chronic)	None currently known.		
Medical Conditions Aggravated by Overexposure	None currently known.		
Carcinogen or Suspect Carcinogen Ingredients	<input type="checkbox"/> NTP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> NONE
SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES			
Eyes	Flush with water for at least 15 minutes and call a physician.		
Skin	Wash with large amounts of soap and water. If irritation persists, consult a physician.		
Ingestion	Do NOT induce vomiting. Dilute by drinking water. Call a physician immediately.		
Inhalation	Remove to fresh air. Start artificial respiration if necessary. Oxygen may be administered. Call a physician.		
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection	Not required under normal use conditions. Use with adequate ventilation.		
Ventilation Requirements	<input type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Other	Eye Protection Safety Glasses/Goggles	
Protective Gloves Rubber/PVC	Other Protective Clothing Work clothing covering arms and legs as required to minimize contact.		
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled	Eliminate all sources of ignition. Stop spill at source. Prevent run off. Mop, shovel, pump and/or absorb with inert material and place in sound containers. Rinse remaining residue with excess water.		
Waste Disposal Methods	Dispose of in an approved waste facility according to Federal, State and local regulations.		
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in Handling and Storage	WARNING: Combustible liquid. Store in a cool, fire resistant area away from oxidizing materials. Ground all equipment and provide adequate ventilation. Handle all containers carefully. Follow label directions as to storage and disposal.		

The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

DATE PREPARED: 8/13/92

HMIS
HAZARD
RATING

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	X

0 - LEAST
1 - SLIGHT
2 - MODERATE
3 - HIGH
4 - EXTREME