

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

Date Prepared 7/01/86

SECTION 1 - PRODUCT IDENTIFICATION

Distributor Name Palmer Company, Inc.	Emergency Telephone No. (312) 247-2000
Address 1201 Sentry Dr. Waukesha, WI 53186 (414) 547-2246	
Trade Name Guardian II	Product Type Disinfectant Cleaner/Sanitizer
Chemical Family	Formula Compounded Product

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME/Common Name	CAS NO.	PERCENT (optional)	TLV (Source)
Silicic Acid - Sodium Salt	1344-09-8	< 5%	2.0mg/M ³ *
Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	< 2%	Not Established
Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	< 2%	Not Established
* As NaOH			

SECTION 3 - PHYSICAL DATA

Boiling Point (°F) 212° F	Specific Gravity (H ₂ O = 1.0) 1.080 ± 0.005	pH 13.0 ± 0.5
Vapor Pressure (mmHg) 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"/> Slight (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 Aqua colored liquid with characteristic odor.		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.) > 200° F	<input type="checkbox"/> None to Boiling	Flammable Limits Not Determined
Extinguishing Media Water Fog; Carbon Dioxide; Dry Chemical; Alcohol Foam		
Special Fire Fighting Procedures Firefighters should wear a self-contained breathing apparatus with full protective equipment.		
Unusual Fire and Explosion Hazards None		

SECTION 5 - REACTIVE DATA

Stability Stable	Incompatibility Strong Oxidizers, Strong Acids, Anionic Surfactants
Hazardous Decomposition Products Burning can produce Carbon Dioxide and/or Carbon Monoxide	

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value - Product
(See Section 2 for Ingredient TLV)

None Established Not Applicable

Source

Primary Routes of Exposure

Eye

Skin

Oral

Inhalation

Other

Signs and Symptoms of Over-exposure (Acute) Prolonged or repeated contact of concentrated product with eyes will cause transient irritation and reddening. May cause skin irritation with some individuals. Ingestion may cause nausea, vomiting, diarrhea and mucousal irritation.

Signs and Symptoms of Over-exposure (Chronic)

None Currently Known

Medical Conditions Aggravated by Over-exposure

An Existing Dermatitis

Carcinogen or Suspect
Carcinogen Ingredients:

NTP

IARC

OSHA

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. If breathing has stopped artificial respiration should be started. Oxygen may be administered, if available. Call a physician. Never give anything by mouth to an unconscious person.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection None Required

Ventilation Requirements Local Exhaust

Mechanical

Other

Protective Gloves Rubber/PVC

Eye Protection

Safety Glasses/Goggles

Other Protective Clothing

Normal work clothing covering arms and legs.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled 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 Do not expose product to excessive heat or near freezing temperatures. Handle all containers carefully. Triple rinse all empty containers to remove all residual product. Wash thoroughly after handling.