



PINE QUAT GERMICIDAL

NEUTRAL DISINFECTANT & DETERGENT

Floors
Walls
Tables
Shower Stalls
Sinks
Desks
Refrigerators
Urinals



Tile and Grout
Combs
Brushes
Toilets
Restroom Fixtures
Animal Cages
Food Processing Equipment

Registered with the Environmental Protection Agency.

Product Description

A concentrated multi-purpose germicidal detergent and deodorant effective in hard waters up to 400 ppm hard water (calculated as CaCO₃) plus 5% organic serum. Disinfects, cleans, and deodorizes in one labor saving step. Recommended for use in hospitals, schools, colleges, veterinary clinics and animal life science laboratories.

Bactericidal at 1:64 dilution (2 ounces per gallon of water) against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Salmonella choleraesuis* according to the current AOAC Use-Dilution Test method, modified in the presence of 400 ppm hard water (calculated as CaCO₃) plus 5% organic serum.

Fungicidal against *Trichophyton interdigitale* and *Candida albicans* according to the AOAC fungicidal test, modified in the presence of 400 ppm synthetic hard water (calculated as CaCO₃) plus 5% organic serum at a 1:64 dilution.

Virucidal against *HIV-1 (AIDS Virus), Influenza A/Hong Kong, Herpes simplex type 1, Vaccinia, Rubella, Adenovirus type 4, Feline picornavirus, Canine distemper virus, Rabies virus, Pseudorabies virus, Infectious bronchitis virus (Avian IBV), according to the virucidal qualification, modified in the presence of 400 ppm hard water plus 5% organic serum at a 1:64 dilution (2 ounces per gallon of water).

Test:

Limit:

Color:	Green
Odor:	Pine
Base:	Quaternary Ammonium Chloride
pH(concentrate):	7.5 - 8.0
Viscosity:	Water thin
Foam:	Moderate
Abrasives:	None
Solubility:	Complete in water
Emulsification:	Excellent
Detergency:	Excellent
Rinsability:	Excellent
Flash Point:	None (waterbased)
Hard Water Tolerance:	400 ppm
Biodegradability:	Completely
Storage/Stability:	2 years
Weight Per Gallon:	8.43 lbs. per gallon
Freeze / Thaw Stability:	Keep from freezing

Directions For Use

For use on hard non-porous surfaces such as floors, walls, metal surfaces, porcelain, and plastic surfaces. Remove gross filth and heavy soil deposits then thoroughly wet surfaces as required. Use 2 ounces per gallon of water for a minimum contact time of 10 minutes in a single application. Can be applied with a mop, sponge or cloth as well as spraying or soaking. The recommended use solution is prepared fresh for each use and then discarded. Rinsing is not necessary unless floors are to be waxed or polished.

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Personal Protection: Disposable latex or vinyl gloves, gowns, face masks or eye coverings as appropriate, must be worn during all cleaning of body fluids, blood and decontamination procedures.

Cleaning Procedures: Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of disinfectant. Contact Time: Effective against HIV-1 (AIDS Virus) on hard non-porous surfaces in the presence of a moderate amount of organic soil (5% blood serum) when used at a 1:64 dilution (providing 600 ppm of active quaternary) in 400 ppm CaCO₃ hard water for a contact time of 4 minutes at room temperature (20-25 degrees C.). Use a ten (10) minute contact time for disinfection against all other bacteria, fungi, and viruses claimed (listed on labeling).

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Pine Quat Generic Name: Neutral Disinfectant & Detergent Chemical Family: Quaternary Detergent Blend Formula: Proprietary	Supplier's Name: DeSantis Janitor Supply Co. Supplier's Address: Meadville, PA 16335 Supplier's Phone #: (800) 942-1656
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dimethyl Benzyl Ammonium Chloride	8001-54-5	1.69			
Didecyl Dimethyl Ammonium Chloride	7173-51-5	2.54			
Octyl Dimethyl Amine Oxide	2605-78-9	0 to 5			
Trisodium Salt of EDTA	150-38-9	0 to 5			
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point (°F): 210 F. Vapor Pressure: 20mm Hg @ 68 F. % Volatile: 85+ Solubility in Water: Complete Physical Description: Thin green liquid with pleasant pine odor.	Specific Gravity: 1.00 Vapor Density (Air=1): >1 pH: 7.2-8.2 Evaporation Rate (Water=1): <1	Flash Point (Method Used): N/A Upper Explosion Limit: N/A Extinguishing Media: N/A Special Firefighting Procedures: Non Flammable Unusual Fire and Explosion Hazards: N/A
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SECTION 5-REACTIVITY DATA

Stability: Stable Hazards Decomposition Products: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and oxides of carbon and nitrogen.	Hazardous Polymerization: None Incompatibility (Materials to Avoid): Strong oxidizing or reducing agents
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SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Wear protective gloves and eyewear when handling concentrate. EPA registered product, follow direction exactly. Use in well ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

SECTION 8-SPECIAL PROTECTION INFORMATION

Effects of Overexposure: Skin: Skin irritant. Prolonged or repeated contact may cause dermatitis. Eyes: Severe eye irritant. Liquid and mists may injure the eyes, causing corneal damage. Inhalation: Inhalation of mists will cause respiratory irritation marked by coughing, sneezing, burning sensation of nose and throat. Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Burning, pain, and diarrhea expected with large doses. First Aid Procedures: Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists. Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention. Inhalation: Remove victim to fresh air. Seek medical attention if irritation persists Ingestion: Give large quantities of milk and water. Do not induce vomiting. Seek medical attention immediately. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Supplemental oxygen and other measures to support breathing may be needed to combat circulatory shock.	Respiratory Protection: No special requirements. Ventilation Requirements: General ventilation acceptable. Protective Gloves: Chemical resistant rubber or neoprene. Eye Protection: Safety glasses or chemical splash goggles. Other Protective Equipment: Eyewash station should be provided nearby. Wear protective rubber footwear when using on floors.
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SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: EPA registered pesticide. Any method in accordance with local, state and federal laws governing such. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Triple rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories: No - Fire Hazard No - Sudden Release of Pressure Hazard No - Reactivity Hazard Yes - Immediate (acute) Health Hazard No - Delayed (chronic) Health Hazard	Shipping Information: FOR CONTAINERS > 1 Gallon : Cleaning Compound Non Hazardous FOR 1 GALLON CONTAINERS : Cleaning Compound Non Hazardous FOR CONTAINERS < 1 GALLON : Cleaning Compound Non Hazardous	HMIS Hazardous Materials Identification System <table border="1"> <tr> <td>Health</td> <td>3</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>D</td> </tr> </table>	Health	3	Flammability	0	Reactivity	0	Personal Protection	D
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Flammability	0									
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Personal Protection	D									

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product