



# PINE-QUAT

## Disinfectant Cleaner

### DESCRIPTION

A very pleasant pine odor disinfectant cleaner that is effective against a wide variety of gram-positive and gram-negative bacteria. This quaternary ammonium chloride disinfectant cleaner utilizes a synthetic detergent system with pure pine oil in a neutral pH range solution to assure safe cleaning and disinfection.

### PRODUCT FEATURES / BENEFITS

- Pleasantly fragranced / Leaves behind a pleasant pine odor
- Multiple surface compatibility / Safe to use on all water washable surfaces
- Formulated with real pine oil / Adds long lasting odor and increased solvency
- Neutral range pH / May be used to clean finished floors without damaging shine
- Cleans, disinfects, and deodorizes in one operation / Easy one-step operation saves time and reduces inventory

### DIRECTIONS FOR USE

Used for cleaning and disinfecting hard, non-porous, inanimate environmental surfaces (glass, metal, glazed porcelain, linoleum, tile, smooth leather, vinyl, enameled and finished wood surfaces) on walls, floors, appliances and furnishings. Effective against a wide variety of gram-positive and gram-negative bacteria. It is an excellent deodorant, effective in controlling odors that are bacterial in origin. Use solutions are non-corrosive and non-staining to plastic, vinyl, synthetics, enamel, tile and most common metals. Pleasant pine odor.

**DISINFECTING: HOSPITALS, VETERINARY CLINICS, NURSING HOMES:** Use 7 1/2 oz. per gallon water (1 part to 16 parts water) for one-step cleaning and disinfection of areas with light to medium soil loads. For heavily soiled areas, preclean as described above and then disinfect at 6 oz. per gallon (1 part to 20 parts water).

**INDUSTRIAL AREAS, BARBER SHOPS, RESTROOMS, RESTAURANTS, FOOD AND MEAT PROCESSING PLANTS (NON-FOOD PROCESSING AREAS), OTHER NON-MEDICAL**

**USES:** Preclean surfaces. Then, disinfect with a solution of 4 oz. in a gallon of water (1 part to 32 parts water). Alternatively, clean and disinfect in one operation using 7 1/2 oz. per gallon of water.

**FOR DEODORIZING GARBAGE CANS, GARBAGE TRUCKS, INDUSTRIAL WASTE RECEPTACLES, AND GARBAGE HANDLING EQUIPMENT:** It is important to pre-clean for the product to perform properly. Apply a wetting concentration of 16 oz. per gallon of water.

**FOR MILDEW CONTROL:** Follow direction for hospital disinfection. Repeat treatment every seven days, or when new growth appears.

**PHYSICAL AND CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES Permit. Do not contaminate water by cleaning of equipment or by disposing of wastes.

**DISPOSAL:** Do not reuse empty container. Wrap container and put in trash.

### SPECIFICATIONS

Actives .....	Quaternary
Cleaning Agents .....	Synthetic
pH Concentrate .....	7.8 ± 0.2
pH Use Dilution .....	7.3 ± 0.2
Specific Gravity (gr/cc) .....	0.992 ± .002
Density (lbs/gal) .....	8.27 ± .017
Color .....	Light Amber
Odor .....	Pine
Viscosity (cps) .....	25 ± 5

Upper Cloud .....	> 130°F
Lower Cloud .....	< 30°F
Corrosive .....	No
Staining .....	No
Bactericidal .....	Yes
Disinfecting .....	Excellent
Deodorizing .....	Excellent
Biodegradable .....	Yes
Shelf Life .....	1 year minimum in original unopened container

### SAFETY INFORMATION

**PRECAUTIONARY STATEMENTS:** Hazard to Humans and Domestic Animals

**DANGER:** Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food. Avoid breathing spray mist.

**KEEP OUT OF REACH OF CHILDREN**

**PRACTICAL TREATMENT (FIRST AID):** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash

contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, raw egg whites, gelatin solution, or if these are not available, drink a large quantity of water. Avoid alcohol. Call a physician immediately.

For Industrial, Commercial or Medical Use Only

Registered with the Environmental Protection Agency

Authorized by USDA for use in federally inspected meat and poultry plants



DISINFECTANT

HMIS HAZARD CODE	
1	HEALTH
2	FLAMMABILITY
0	REACTIVITY
B	PERSONAL PROTECTION



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**MATERIAL SAFETY DATA SHEET**  
(SIMILAR TO OSHA FORM 174)

N.A. = Not Applicable  
Not Est. = Not Established  
Prop. = Proprietary

**SECTION 1 - MANUFACTURER / DISTRIBUTOR INFORMATION**

**Product Name:** PINE-QUAT Disinfectant Cleaner  
**Supplier's Name:** National Chemical Laboratories of PA, Inc.  
**Supplier's Address:** 401 N. 10<sup>th</sup> Street · Philadelphia PA 19123  
**HMS Hazard Code:** Health: 1 Flammability: 2 Reactivity: 0 PPE: B  
**Chemical Family:** Disinfectant Cleaner  
**D.O.T. Shipping Name:** N/A

**Product #:** 0237  
**Emergency Phone #:** CHEM-TEL (800) 255-3924  
**Chemical Name:** N.A. Proprietary Blend  
**Formula:** N.A. Blended Product  
**Hazard Class:** N/A **D.O.T. ID#:** N/A

**SECTION 2 - HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS NUMBER	% Concentration Range	Hazard Ratings (TLV/PEL)
Isopropyl Alcohol	67-63-0	PROP.	400 ppm
N-Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	PROP.	400 mg/kg (LD50 ORAL)
Polyethylene Mono(Nonylphenyl) Ether Glycols	9016-45-9	PROP.	Not Est.
Pine Oil	8002-09-3	PROP.	Not Est.

**SECTION 3 - PHYSICAL DATA**

**Boiling Point (°F):** 212 **Specific Gravity:** 0.992  
**Vapor Pressure:** 26 mm **Evaporation Rate:** = To Water  
**Vapor Density:** = To Water  
**Solubility in Water:** Complete  
**Appearance:** Amber Liquid  
**Odor:** Pine

**SECTION 4 - FIRE AND EXPLOSION DATA**

**Flash Point (°F):** 110 (TCC)  
**Flammable Limits:** N.A.  
**Unusual Fire & Explosion Hazards:** None

**SECTION 5 - HEALTH HAZARD DATA**

**Route(s) of Entry:** Inhalation: No Skin: Yes Ingestion: Yes **Threshold Limit Value:** Not Est.  
**Effects of Overexposure:** Causes skin and eye irritation. May be harmful if swallowed. If ingested may cause severe gastric irritation and toxic reaction.  
**Emergency & First Aid Procedures:** **For Eyes:** Flush eyes with water for at least fifteen minutes and seek medical attention. **For Skin:** Flush skin thoroughly with water. If irritation persists seek medical attention. **If ingested:** Do not induce vomiting. Give milk, egg white, gelatin or water. Seek medical attention. Never give anything by mouth to an unconscious person.  
**Conditions Aggravated by Exposure:** May aggravate dermatitis and irritate sensitive skin.

**Listed Carcinogen, Mutagen, Teratogen (Ingredient, Source, Amount):** None

**SECTION 6 - REACTIVITY DATA**

**Stability:** Stable  
**Conditions to Avoid:** None  
**Incompatibility:** Avoid contact with strong acids and oxidizers  
**Hazardous Decomposition Products:** Carbon Oxides and Amines  
**Hazardous Polymerization:** Will not occur.

**SECTION 7 - SPILL OR LEAK PROCEDURES**

**Steps to be taken if material is released or spilled:** Recontainerize by mopping, wet vacuum, or using a suitable absorbent. Be cautious of slippery floors.  
**Waste Disposal Method:** Follow local, state and federal regulations. See product label for EPA disposal requirements.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Not required  
**Ventilation:** Local  
**Protective Gloves:** Latex or rubber  
**Eye Protection:** Goggles or safety glasses with side shields  
**Other Protective Equipment:** Rubber boots recommended if working in standing solutions.

**SECTION 9 - SPECIAL PRECAUTIONS**

**Precautions to be taken in handling and storage:** Store between 40°F and 120°F.  
**Other Precautions:** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Keep out of reach of children. For professional use only.

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Date Prepared – 03/24/08 By: G.C.