



PINE-QUAT

Disinfectant Cleaner

DESCRIPTION

This product, formulated with a quaternary-pine oil combination, is a broad spectrum bactericide and fungicide for use in nursing homes, hospitals, lodging establishments, transportation terminals, office buildings, manufacturing facilities, retail businesses, and athletic/recreational facilities, where housekeeping is of prime importance. This formulation provides effective cleaning, deodorization and disinfection of walls, floors, sink tops, toilet bowls, tables, chairs, and telephones. For larger areas such as operating rooms, patient care facilities, and restrooms, this product provides both general cleaning and disinfection..

PRODUCT FEATURES / BENEFITS

- Pleasantly fragrant / 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

The product is not for use on medical devices and equipment. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

DISINFECTION - To disinfect previously cleaned, inanimate, hard surfaces add 4 ounces of this product per gallon of water. Apply with a mop, cloth, sponge or hand pump trigger sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use.

To disinfect toilet bowls: pre-clean the bowl, flush toilet and add 4 ounces of this product directly to the bowl water. Swab the bowl

completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

BACTERICIDAL ACTIVITY - When diluted at the rate of 4 ounces per gallon of water, this product exhibits effective disinfectant activity against the organisms: Staphylococcus aureus, Salmonella enterica and Pseudomonas aeruginosa and meets all requirements for hospital use.

FUNGICIDAL ACTIVITY - When diluted at the rate of 4 ounces per gallon of water, this product is effective against the pathogenic fungus, Trichophyton mentagrophytes (Athlete's Foot Fungus), on hard surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, non-porous, hard surfaces commonly contacted by bare feet.

SPECIFICATIONS

Actives	Quaternary
Cleaning Agents	Synthetic
pH Concentrate	7.2 ± 0.5
pH Use Dilution	7.3 ± 0.5
Specific Gravity (g/cc)	0.99 ± 0.01
Density (lbs/gal)	8.20 ± 0.1
Color	Amber
Odor	Pine
Viscosity (cps)	< 50

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

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves, and protective clothing. May be fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than

50°F or higher than 120°F. Store in a tightly closed container in an area inaccessible to children.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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



DISINFECTANT



World Class Cleaning Solutions®

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1-800-NAT-CHEM • 215-922-1200 • FAX: 215-922-5517
www.nclonline.com • e-mail:info@nclonline.com


SAFETY DATA SHEET

Section 1 - Identification

Product Identifier	PINE-QUAT Disinfectant Cleaner
Other means of identification	0237-S
Recommended use	Disinfectant Cleaner.
Recommended restrictions	EPA Registered Product. For commercial and industrial use only.
Manufacturer / Importer / Supplier / Distributor Information	
Company Name	National Chemical Laboratories of PA, Inc.
Address	401 N. 10th Street - Philadelphia, PA 19123
Telephone	1 (215) 922-1200
Supplier Email	info@nclonline.com
Contact	CHEM-TEL
Emergency Phone	1 (800) 255-3924

Section 2 - Hazard(s) Identification

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

	Classification	Category
Physical Hazards	Flammable Liquids	3
Health Hazards	Sensitization, skin	1
	Serious eye damage/eye irritation	1
	Skin corrosion/irritation	2
OSHA defined hazards	Not Classified.	
Label Elements		
Hazard Symbol		
Signal Word	Danger	
Hazard Statement	Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.	
Precautionary statement		
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.	
Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.	
Storage	Store in a well-ventilated place. Keep cool.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	None known.	

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components	Ingredient Name	CAS #	%
	2-Propanol	67-63-0	5 - 10
	Pine Oil	8002-09-3	1 - 5
	4-Nonylphenol, branched, ethoxylated	127087-87-0	1 - 5
	_Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	68391-01-5	0.1 - 1
	_Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6)	85409-23-0	0.1 - 1

Composition Comments Components not listed are either non-hazardous or are below reportable limits.

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Section 4 - First-aid Measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Most Important symptoms /effects, acute and delayed	Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General Information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Section 5 - Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment /instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
General fire hazards	Flammable liquid and vapor.
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
2-Propanol (CAS 67-63-0)	TWA	980 mg/m ³ , 400ppm	

US. ACGIH Threshold Limit Values

Component	Type	Value	Form
2-Propanol (CAS 67-63-0)	STEL	400 ppm	

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2-Propanol (CAS 67-63-0)

TWA

200 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components

Type

Value

2-Propanol (CAS 67-63-0)

IDLH

2000 ppm

2-Propanol (CAS 67-63-0)

STEL

1225 mg/m³, 500 ppm

2-Propanol (CAS 67-63-0)

TWA

980 mg/m³, 400 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

US. ACGIH. BEIs. Biological Exposure Indices

Components

Value

Determinate

Specimen

Sampling
Time

2-Propanol (CAS 67-63-0)

200 mg/g

Butoxyacetic acid (BAA),
with hydrolysis

Creatinine in urine

*

2-Propanol (CAS 67-63-0)

40 mg/l

Acetone

Urine

*

* - For sampling details, please see the source document.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Section 9 - Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Clear liquid.

Color

Amber.

Odor

Pine.

Odor threshold

Not available.

pH

7.2

Melting point/freezing point

Not relevant.

Initial boiling point and boiling range

177 - 212 °F (80.6 - 100 °C)

Flash point

97°F (36.1°C) Tag Closed Cup

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not available.

Vapor density

Not available.

Relative density

0.99 ± 0.01

Relative density temperature

75 °F (23.89 °C)

Solubilities

100 % (Completely soluble)

Partition Coefficient n-octanol/water

Not available

Auto-ignition temperature

Not Available

Decomposition temperature

Not Available

Viscosity

<50 cSt

Viscosity Temperature

75 °F (23.89 °C)

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Section 10 - Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials.
Incompatible materials	Acids. Strong oxidizing agents. Oxidizing agents. Isocyanates. Chlorine.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects.

Acute toxicity May cause an allergic skin reaction.

Components	Level	Type	Code	Species	Results
_Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6) (CAS 85409-23-0)	Acute	Dermal	LD50	Rabbit	> 2000 mg/kg
	Acute	Inhalation	LC50		> 20 mg/l
_Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18) (CAS 68391-01-5)	Acute	Dermal	LD50	Rabbit	> 2000 mg/kg
	Acute	Dermal	LD50	Rat	1420 mg/kg
	Acute	Inhalation	LC50		> 20 mg/l
	Acute	Oral	LD50	Rat	500 - 5000 mg/kg

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/ eye irritation	Causes serious eye damage.
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Component(s)

4-Nonylphenol, branched, ethoxylated, 127087-87-0

Aquatic

Acute	Crustacea	EC50	Water flea (Daphnia magna)	12.2 mg/l, 48 hours
	Fish	LC50	Bluegill (Lepomis macrochirus)	1 - 1.8 mg/l 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water log (Kow)

Components	Results
2-Propanol (CAS 67-63-0)	0.05
4-Nonylphenol, branched, ethoxylated (CAS 127087-87-0)	2.1 - 3.4 (Calculated)

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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Section 13 - Disposal considerations

Disposal instructions	<p>PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.</p> <p>CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying.</p> <p>(For containers 5 gallons or less):</p> <p>Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p> <p>(For containers greater than 5 gallons):</p> <p>Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p> <p>PACKET DISPOSAL - Do not reuse; discard empty container and put in trash.</p>
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	This substance/mixture is not intended to be transported in bulk.

Section 15 - Regulatory Information

US federal regulations	<p>This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA.</p>	
TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)	Not regulated.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed	
CERCLA Hazardous Substance List (40 CFR 302.4)	Not Listed	
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
Hazard Categories	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	Yes
	Pressure Hazard	No
	Reactivity Hazard	No
SARA 302 Extremely hazardous substance	Not listed.	
SARA 311/312 Hazardous chemical	Yes	
SARA 313 (TRI reporting)	<p>This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.</p>	
Other federal regulations		
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List	Not listed.	
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated.	
Safe Drinking Water Act (SDWA)	Not regulated.	
Food and Drug Administration (FDA)	Not regulated.	
US state regulations		
US.Massachusetts RTK - Substance List	<p>Components</p> <p>2-Propanol (CAS 67-63-0)</p>	
US.New Jersey Worker and Community Right-to-Know Act	<p>Components</p> <p>2-Propanol (CAS 67-63-0)</p> <p>Pine Oil (CAS 8002-09-3)</p>	
US.Pennsylvania RTK - Hazardous Substances	<p>Components</p> <p>2-Propanol (CAS 67-63-0)</p>	
US.Rhode Island RTK	Not regulated.	
US - California Proposition 65	<p>California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or</p>	

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reproductive toxins.

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	No
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Issue date	11/19/2015
Version #	01
Disclaimer	<p>The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS.</p> <p>Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.</p>

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

PREPARATION OF USE SOLUTION: Before using this product, food products and packaging materials must be removed from the room or carefully protected. Add 2.5 ounces of this product per gallon of water to disinfect hard non-porous surfaces. Apply to walls, floors and other hard, inanimate surfaces such as tables, chairs, countertops, sinks and bed frames with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For sprayer applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Treated surfaces must remain wet for 10 minutes. Let air dry. Prepare a fresh solution at least daily or when use solution becomes visibly dirty.

Note: With spray applications cover or remove all food products. For heavily soiled areas, a preliminary cleaning is required.

DISINFECTION/FUNGICIDAL PERFORMANCE IN INSTITUTIONS: At 5 ounces per gallon use level (or equivalent use dilution) with a 10-minute contact time, this product is effective against: Enterobacter aerogenes, Salmonella typhi, Enterococcus faecalis, Serratia marcescens, Escherichia coli, Shigella dysenteriae, Salmonella enterica, Streptococcus pyogenes, Pseudomonas aeruginosa, Staphylococcus aureus.

DISINFECTION/VIRUCIDAL* PERFORMANCE IN NON-MEDICAL FACILITIES: At 2.5 ounces per gallon use level with a 10-minute contact time, the activity of this product has been evaluated by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by: Enterobacter aerogenes, Serratia marcescens, Enterococcus faecalis, Shigella dysenteriae, Escherichia coli, Streptococcus pyogenes, Salmonella enterica, Staphylococcus aureus, Salmonella typhi.

At 5 ounces per gallon use level (or equivalent use dilution) with a 10-minute contact time, this product has been evaluated by the AOAC use dilution test and found to be effective in the presence of both 5% blood serum and 400 ppm hard water against: Escherichia coli, Salmonella enterica, Staphylococcus aureus.

VIRUCIDAL* PERFORMANCE: At 2.5 ounces per gallon use level, this product was evaluated with a 10-minute contact time and found to be effective in the presence of 5% blood serum against the following viruses on hard, non-porous surfaces: Avian Influenza A H3N2 virus, HIV-1.

FUNGICIDAL AGAINST: Trichophyton mentagrophytes, athlete's foot fungus a cause of Ringworm.

FUNGICIDAL CONTROL: At 5 ounces per gallon use level, fungicidal activity has been demonstrated in the presence of 5% blood serum and with a 10-minute contact time, when used on surfaces such as locker rooms, dressing rooms, shower and bath areas, exercise facilities against Trichophyton mentagrophytes, the athlete's foot fungus and Aspergillus niger.

MOLD AND MILDEW CONTROL DIRECTIONS: At 2.5 ounces per gallon of water and a 10-minute contact time, this product is effective against the following organism: Aspergillus niger.

CLEANING AND DISINFECTION: For heavily soiled areas, a pre-cleaning step is required. For one step cleaning and disinfection, use 2.5 fluid ounces of this product per 1 gallon of water (or equivalent use). Apply use solution using a cloth, mop or pressure sprayer so as to thoroughly wet surface to be cleaned/disinfected. For sprayer applications, use a coarse spray device. Allow surfaces to remain wet for 10 minutes and then air dry. Prepare a fresh solution at least daily or when solution becomes visibly dirty or diluted.

FOR DISINFECTING HARD, NON-POROUS SURFACES AGAINST AVIAN INFLUENZA A (H3N2): For use in homes, hospitals, hotels and motels, the directions for hospital disinfection must be followed using a rate of 5 oz per gallon of water.

***KILLS HIV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care setting or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1).



World Class Cleaning Solutions®



Disinfectant

Pine-Quat™

Cleaner, Disinfectant, Virucide*, Fungicide, Mildewstat, Deodorizer

ACTIVE INGREDIENTS:	
Octyl Decyl Dimethyl Ammonium Chloride.....	0.570%
Didecyl Dimethyl Ammonium Chloride.....	0.285%
Diocetyl Dimethyl Ammonium Chloride	0.285%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride.....	0.760%
Pine Oil.....	2.500%
INERT INGREDIENTS:.....	95.600%
TOTAL.....	100.000%

EPA REG. NO. 10324-66-2296 EPA EST. NO. 2296-PA-1

KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

See side panel for additional precautionary statements and first aid statements.

NET CONTENTS: 1 GALLON / 3.79 LITERS

SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN PARA QUE SE LA EXPLIQUE A USTED EN DETALLE.
IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.

National Chemical Laboratories, Inc.

401 N. 10th Street • Philadelphia, PA 19123 • (800) 628-2436 • Made in the USA.

Product No.: 0237

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

Personal Protection: Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings.

Cleaning Procedure: Blood and other body fluids containing HIV-1 must be thoroughly cleaned from surfaces and objects before application of this product.

Disposal of Infectious Materials: Blood, body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Leave surface wet for 10 minutes with a 5-ounce per gallon use solution.

GENERAL DEODORIZATION: To deodorize, add 2.5 ounces of this product to 1 gallon of water. Treated surfaces must remain wet for 10 minutes. Excess liquid must be wiped up or allowed to air dry.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish, aquatic invertebrates, oysters, and shrimp.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with oxidizers, anionic soaps and detergents
Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides. Triple rinse (or equivalent). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

RESIDUE REMOVAL INSTRUCTIONS: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain 10 seconds after the flow begins to drip. Fill the container ¾ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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