

Supplied By:



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Material Safety Data Sheet

EMERGENCY PHONE:
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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 1: Product Identification

Product Name: DISINFECTANT DETERGENT

Product Use: Concentrated EPA Registered quaternary disinfectant, Staphylocidal, Pseudomonacidal, Salmonellacidal, Bactericidal, Fungicidal, Virucidal, Mildew static and cleaner.

DOT Hazard Class: Non-Hazardous

Effective against the following pathogens:

(Bacteria:) Pseudomonas aeruginosa*, Staphylococcus aureus*, Salmonella choleraesuis, Acinetobacter calcoaceticus, Bordetella bronchiseptica, Chlamydia psittaci, Enterobacter aerogenes, Enterobacter cloacae, Enterococcus faecalis-Vancomycin Resistant (VRE), Escherichia coli*, Fusobacterium necrophorum, Klebsiella pneumoniae*, Legionella pneumophila, Listeria monocytogenes, Pasteurella multocida, Proteus mirabilis and vulgaris, Salmonella enteritidis and typhi and typhimurium, Serratia marcescens, Shigella flexneri and sonnei, Staphylococcus aureus-Methicillin resistant (MRSA) and -Vancomycin Intermediate Resistant (VISA), Staphylococcus epidermidis (anti-biotic resistant strain only), Streptococcus faecalis* and pyogenes.

* ATCC & antibiotic-resistant strain

(Viruses:) Adenovirus Type 4, Hepatitis B (HBV) and C (HVC), Herpes Simplex Types 1 and 2, HIV-1 (AIDS Virus), Influenza A/Hong Kong, Respiratory Syncytial Virus (RSV), Rubella (German Measles), Vaccinia

	Hazard Rating	H.M.I.S
2 Health		
0 Fire	4=Extreme	Abbreviation Key:
0 Reactivity	3=High	N.A.-Not Applicable
B Maximum Personal	2=Moderate	N.E.-Not Established
	1=Slight	

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

Hazard Chemical Identity

	CAS No.	%	PEL	TLV	LD50	LC50
Quaternary ammonium chloride	Proprietary	<5	N.E.	N.E.	250mg/kg	86mg/l 1 hr.

Section 3: Physical Data

Color: Green **Odor:** Wintergreen **Physical State:** Liquid

Solubility in Water: Complete

Boiling Point: 100 C (212 F) **Freezing Point:** 0 C (32 F)

Water/Oil Distribution: N.E. **Odor Threshold:** N.E.

Vapor Pressure: <30 mm of Hg **Vapor Density (Air=1):** <1

Evaporation Rate (Water=1): N.E. **VOC Content:** 0.0%

pH: 7.0 **1% pH:** N.A.

Specific Gravity: 1.04 gm/ml

Weight per Gallon: 8.67 lbs./gal.

Section 4: Fire and Explosion Hazard Data

Flash Point and Method: N.A.

Flammable Limits: N.A.

Hazardous Combustion Products: N.A.

Autoignition Temperature: N.A.

LEL: N.A. **UEL:** N.A.

Extinguishing Media: Use dry chemical or CO2

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Section 5: Reactivity Data

Chemical Stability: Stable

Incompatibility (Materials to avoid): Do not mix with other chemicals

Hazardous Decomposition of By-Products: None Known

Hazardous Polymerization: Will not occur

Section 6: Toxicological Properties

Routes of Entry: Ingestion, Inhalation, Eye contact

Medical Conditions Aggravated by Exposure: None known

EFFECTS OF OVEREXPOSURE (Acute &/or Chronic):

Eyes: May cause severe irritation, redness and possible corneal injury.

Skin: May cause irritation

Ingestion: May cause gastrointestinal tract irritation and possible mucosal injury

Inhalation: Prolonged exposure in poorly ventilated area may irritate nasal mucous membranes

Carcinogenic Effects: None Suspected

Section 7: Preventative & Control Measures

Respiratory Protection: None normally required with adequate room ventilation.

Eye Protection: Wear safety glasses, splashproof chemical goggles.

Protective Clothing and Equipment: As needed to prevent wetting of clothing.

Work and Hygienic Practices: Wash thoroughly after handling.

Storage Requirements: Store in cool, dry area. Avoid contamination of food. Follow good housekeeping practices.

Other Requirements: Keep out of reach of Children.

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR

RELEASED: Absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities. Triple rinse container. Do not reuse empty container.

Section 8: Emergency First Aid Procedures

First Aid Notes to Physician:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open. Seek medical attention.

Skin: Wash with mild soap and water. Wash contaminated clothing before wearing.

Ingestion: Give milk or water to dilute. INDUCE VOMITING. Seek medical attention.

Inhalation: Remove to fresh air and rest.

In all cases if symptoms persist, seek medical attention.

Section 9: Preparation Information

Prepared By: Regulatory Affairs Department

Phone: 812-336-4817

Date of Preparation: March 2006

The above information is believed to be accurate with respect to the formula used to manufacture this product. As data, standards and regulations change and conditions of use and handling are beyond our control. **NO WARRANTY** expressed or implied is made as to the completeness of continuing of this information.

Disinfectant Detergent

Technical Data Sheet



*Effective
Against
Pathogens*

*Deodorizes
as it
Cleans*

*Neutral pH
Safe on Wax
Floors*

*Concentrated
for
Economy*

Product Description

Product Use: EPA Registered one-step quaternary disinfectant, germicide, deodorant and detergent. Liquid formula deodorizes as it cleans.

Effective against the following pathogens:

(Bacteria:) Pseudomonas aeruginosa*, Staphylococcus aureus*, Salmonella choleraesuis, Acinetobacter calcoaceticus, Bordetella bronchiseptica, Chlamydia psittaci, Enterobacter aerogenes, Enterobacter cloacae, Enterococcus faecalis-Vancomycin Resistant (VRE), Escherichia coli*, Fusobacterium necrophorum, Klebsiella pneumoniae*, Legionella pneumophila, Listeria monocytogenes, Pasteurella multocida, Proteus mirabilis and vulgaris, Salmonella enteritidis and typhi and typhimurium, Serratia marcescens, Shigella flexneri and sonnei, Staphylococcus aureus-Methicillin resistant (MRSA) and -Vancomycin Intermediate Resistant (VISA), Staphylococcus epidermidis (anti-biotic resistant strain only), Streptococcus faecalis* and pyogenes.

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Use Directions

Disinfectant Detergent is ready to use once it is properly diluted. Recommended dilution for manual measuring is 2 ounces of product per gallon of water (1:64).

Spray, mop or wipe product onto surface to be cleaned and disinfected. Allow product to stand or soak for 10 minutes. DO NOT RINSE. Wipe away excess moisture with a clean dry cloth.

Areas of Use

For use in restaurants, hospitals, nursing homes, hotels, schools and other institutions. Neutral pH is safe for use on wax floors, sinks, furniture, walls, countertops, tables, bed frames, sick room utensils, door handles, restrooms, garbage cans, dumpsters and most other hard non-porous surfaces.

Safety Precautions

If contact with eyes occurs flush with large amount of water for 15 minutes. For skin contact wash with mild soap and water. Move to fresh air if inhalation occurs. Call a poison control center or doctor for immediate treatment advice.

Shipping Classification

Non-Hazardous

Packaging

4 x 1 Gallons per Case (concentrated)

Properties

TYPE:	Quaternary Disinfectant
APPEARANCE:	Green
ODOR:	Wintergreen
SHELF LIFE:	1 year
pH OF SOLUTION:	7.2 - 8.2
SPECIFIC GRAVITY:	1.00 gm/ml