



## LEMON QUATERNARY Disinfectant Cleaner

### Section 1: Identification

Product Name: LEMON QUATERNARY Disinfectant Cleaner  
Manufacturer's Name: Kitter Corporation  
Address: 100 S. Cleveland (P.O. Box 9680) Amarillo, Texas 79105  
Emergency Phone Number: Chem-Tel 1-800-255-3924  
Product Stewardship: 806-376-1448  
Date Prepared: October 25, 2002

### Section 2: Composition/Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Water	7732-18-5	60 - 90
Quaternary Ammonium Compounds	Mixture	1 - 5
Alkylphenol-Hydroxypolyoxyethylene	127087-87-0	1 - 5
Sodium Chloride	7647-14-5	1 - 3
Fragrance	None	<1
Quinoline Yellow	113033-14-0	<<1

### OSHA Hazardous Components (29 CFR 1910.1200):

OSHA PEL	ACGIH TLV	Supplier
None	N/A	N/A

### Section 3: Hazard Identification

#### Potential Health Effects:

Eyes: Contact with eyes causes irritation.  
Skin: Prolonged or repeated contact with skin may cause irritation.  
Ingestion: Swallowing may cause abdominal discomfort, nausea vomiting and diarrhea.  
Inhalation: Not a likely route of exposure.  
Medical Conditions Aggravated by Overexposure: Repeated skin contact may cause dermatitis.

### Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if symptoms persist.  
Skin Contact: Wash skin with water and remove contaminated clothing. Do not reuse contaminated clothing.  
Ingestion: Do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention immediately.  
Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

### Section 5: Fire Fighting Measures

Flash Point & Method: 200°F, PMCC  
Flammable Limits: LEL - N/A UEL - N/A  
Autoignition Temperature: N/E  
General Hazard: None  
Fire Fighting Instructions: Use self-contained breathing apparatus for maximum respiratory protection. Use water spray to cool containers in area.  
Unusual Fire & Explosion Hazards: Material may produce a floating fire hazard.

### Section 6: Accidental Release Measures

Small Spills: Soak up with absorbent. Shovel in waste containers. Flush area with water.  
Large Spills: Recover spilled material for reprocessing or disposal. See Section 13 for proper disposal information.

### Section 7: Handling & Storage

Storage Temperature: Ambient  
Storage Pressure: Atmospheric  
General: Keep container closed when not in use. Store in a cool, well-ventilated area. Avoid overheating or freezing.  
Wash thoroughly after handling. Keep out of reach of children. Spilled material is slippery.

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## Section 8: Exposure Control/Personal Protection

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Engineering Controls: Local exhaust ventilation is acceptable. Mechanical ventilation is recommended.  
Personal Protection: Respiratory Protection: If vapors, fumes or dusts are present use a MSHA or NIOSH approved respirator, a fresh air breathing apparatus or a self-contained breathing apparatus.  
Hand Protection: Water repellent gloves.  
Eye Protection: Goggles or full face shield.  
Other Recommendations: Not required.

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## Section 9: Physical & Chemical Properties

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Specific Gravity (H <sub>2</sub> O=1) . . . . .	0.9980	Boiling Point . . . . .	212°F
Vapor Pressure (mmHg.) . . . . .	N/A	Melting Point . . . . .	N/A
Vapor Density (AIR=1) . . . . .	>1	Solubility in Water . . . . .	100%
Evaporation Rate (n-BuAc=1) . . . . .	<1	pH . . . . .	7.5
Appearance and Odor . . . . .	Pale yellow liquid with a light lemon fragrance.		

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## Section 10: Stability & Reactivity

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General: Stable, hazardous polymerization will not occur.  
Incompatible Materials: Strong oxidizing agents.  
Hazardous Decomposition: Forced combustion yields ammonical vapors and nitrous oxides.

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## Section 11: Toxicological Information

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Results of Component Toxicity Tests Performed:  
Information not available.

No Chemicals used in this product are listed as carcinogens or suspected carcinogens by the National Toxicological Program, IARC monograms or OSHA.

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## Section 12: Ecological Information

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Aquatic Effects: 48-hour "Daphnia magna" LC<sub>50</sub> = 21.4 mg/L  
Bacterial Test LC<sub>50</sub> = >5000 mg/L  
96-hour Fathead Minnow LC<sub>50</sub> = 6.6 mg/L

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## Section 13: Disposal Considerations

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Waste Disposal Method:  
Recover liquid or dispose waste material in accordance with all applicable federal, state and local regulations and laws.  
Material collected with absorbent may be disposed of in a permitted landfill.

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## Section 14: Transportation Information

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U.S. DOT Information:  
Description: NON-HAZARDOUS  
Proper Shipping Name: N/A  
Hazard Class: N/A  
Packing Group: N/A  
UN Number: N/A  
Limitations: N/A

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## Section 15: Regulatory Information

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U.S. Federal Regulations: MSDS complies with OSHA's Hazard Communication Rule, 29CFR1910.1200.  
CERCLA /Superfund, 40 CFR 117: N/A  
SARA Superfund and Reauthorization Act of 1986 Title III Sections 302, 311, 312 and 313:  
Section 302: None of the chemicals are listed in Section 302  
Section 311 / 312: By our hazard evaluation, this product is non-hazardous.  
Section 313: None of the chemicals are listed in Section 313.  
TSCA: All substances are TSCA Listed.

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## Section 16: Other Information

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Revision Dates, Sections, Revised By: 10-25-2002, CREATED, D. Sloan  
Abbreviations used in this Document: N/A - Not Applicable, N/E - Not Established  
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