



TITAN Disinfectant and Cleaner

Section 1: Identification

Product Name: TITAN Disinfectant and 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):

None	OSHA PEL	ACGIH TLV	Supplier
	N/A	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

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.

Section 9: Physical & Chemical Properties

Specific Gravity (H ₂ 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.		

Section 10: Stability & Reactivity

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

Section 11: Toxicological Information

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.

Section 12: Ecological Information

Aquatic Effects: 48-hour "Daphnia magna" LC₅₀ = 21.4 mg/L
Bacterial Test LC₅₀ = >5000 mg/L
96-hour Fathead Minnow LC₅₀ = 6.6 mg/L

Section 13: Disposal Considerations

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.

Section 14: Transportation Information

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

Section 15: Regulatory Information

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.

Section 16: Other Information

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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