



Kitter Corporation

Material Safety Data Sheet

CITRALL All Natural Citrus Degreaser

Section 1: Identification

Product Name: CITRALL All Natural Citrus Degreaser
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: May 6, 2003

Section 2: Composition / Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Water	7732-18-5	10 - 25
Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-27-5	30 - 60
Diethanolamine	111-42-2	1.0
Butoxyethanol	111-76-2	1 - 10
Lauramine Oxide	1643-20-5	<1

OSHA Hazardous Components (29 CFR 1910.1200):

	OSHA PEL	ACGIH TLV
Diethanolamine	Not Listed	3 ppm
Ammonium Hydroxide	500 ppm	25 ppm
Butoxyethanol	100 ppm	100 ppm

Section 3: Hazard Identification

Potential Health Effects:

Eyes: Moderate to severe irritant.
Skin: Product is mild skin irritant. Prolonged or repeated contact with skin may cause irritation.
Ingestion: Harmful if swallowed. Nausea, diarrhea and abdominal discomfort possible. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.
Inhalation: Concentrated vapors can cause irritation of the lungs and respiratory tract.
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. Wash contaminated clothing before reuse.
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, TCC Method
Flammable Limits: LEL - N/A UEL - N/A
Auto ignition 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: None known

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: Chemical resistant gloves recommended.

Eye Protection: Safety glasses.

Other Recommendations: Not required.

Section 9: Physical & Chemical Properties

Specific Gravity (H ₂ O=1)	0.96	Boiling Point	>200°F
Vapor Pressure (mmHg.)	N/A	Melting Point	N/A
Vapor Density (AIR=1)	>1	Solubility in Water	50%
Evaporation Rate (n-BuAc=1)	<1	pH	9.30

Appearance and Odor: Clear, colorless liquid with a citrus odor.

Section 10: Stability & Reactivity

General: Stable, hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents, strong acids.

Hazardous Decomposition: Oxides of carbon.

Section 11: Toxicological Information

Results of Component Toxicity Tests Performed:

For 2-butoxyethanol (111-76-2): Oral LD₅₀ = 1.4 g/kg (Guinea Pig); Dermal LD₅₀ >2g/kg (Guinea Pig);
Inhalation LC₅₀ >650 (Guinea Pig)

For Diethanolamine (111-42-2): Oral LD₅₀ = 1.82 g/kg (Rat); Dermal LD₅₀ = 11.9 ml/kg (Rabbit)

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

Section 12: Ecological Information

Aquatic Effects: 48 hour "Daphnia magna" LC₅₀ = 1.4 mg/L

96 hour Fathead Minnow LC₅₀ = 0.6 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:

Proper Shipping Name:	NON-HAZARDOUS
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: 05-06-2003, CREATED, D. Sloan

Abbreviations used in this Document: N/A – Not Applicable, N/E – Not Established

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