



# Kitter Corporation

# Material Safety Data Sheet

## BACTROL Instant Antibacterial Hand Gel

### Section 1: Identification

Product Name: BACTROL Instant Antibacterial Hand Gel  
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 3, 2003

### Section 2: Composition / Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Water	7732-18-5	50 - 90
Ethanol	64-17-5	30 - 50
Methanol	67-56-1	6 - 7
Methyl isobutyl ketone	108-10-1	<1
Triethanolamine	102-71-6	1 - 5

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

	OSHA PEL	ACGIH TLV
Ethanol	Not Listed	1000 ppm
Methanol	200 ppm	200 ppm
Methyl isobutyl ketone	50 ppm	50 ppm
Triethanolamine	Not Listed	5 mg/m <sup>3</sup>

### 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 slight irritation.  
Ingestion: Harmful if swallowed. Swallowing large amounts may cause blindness. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Cannot be made nonpoisonous.  
Inhalation: High vapor concentrations can cause irritation of the respiratory tract.  
Medical Conditions Aggravated by Overexposure: Repeated or prolonged skin contact may cause dermatitis.

### Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Seek medical attention.  
Skin Contact: Wash skin with water and remove contaminated clothing if skin irritation develops or persists.  
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 breathing becomes difficult or respiratory irritation persists.

Note to Physician: Symptoms of poisoning may not appear for several hours.

### 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, dry chemical, carbon dioxide, alcohol foam to extinguish flames.  
Unusual Fire & Explosion Hazards: Vapors may travel considerable distance to a source of ignition and flash back.

### Section 6: Accidental Release Measures

Small Spills: Eliminate all ignition sources. Absorb spill with inert material, place in a container for chemical waste.  
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.

# BACTROL Instant Antibacterial Hand Gel

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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: Chemical resistant gloves recommended if prolonged exposure is expected.

Eye Protection: Safety glasses.

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) . . . . .	0.93	Boiling Point . . . . .	>200°F
Vapor Pressure (mmHg.) . . . . .	N/E	Melting Point . . . . .	N/A
Vapor Density (AIR=1) . . . . .	>1	Solubility in Water . . . . .	100%
Evaporation Rate (n-BuAc=1) . . . . .	<1	pH . . . . .	N/A

Appearance and Odor: Clear, green, viscous liquid with a mild odor.

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## Section 10: Stability & Reactivity

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General: Stable, hazardous polymerization will not occur.

Incompatible Materials: Strong oxidizing agents and acids.

Hazardous Decomposition: Carbon and nitrogen oxides, ammonia, aldehydes and ketones.

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## Section 11: Toxicological Information

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Results of Component Toxicity Tests Performed:

For Ethanol (64-17-5): Oral LD<sub>50</sub> =7.06 g/kg (Rat)

For Methyl isobutyl ketone (108-10-1): Oral LD<sub>50</sub> = 2.08 g/kg (Rat)

For Triethanolamine (102-71-6): Oral LD<sub>50</sub> >2.00-5.00 g/kg (Rat); Dermal LD<sub>50</sub> >2.00 (Rabbit)

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

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## Section 12: Ecological Information

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Aquatic Effects: This product is expected to have low toxicity to aquatic species.

Biodegradability and potential to bioaccumulate: The components of this product are readily biodegradable and are not expected to bioaccumulate.

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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:

Proper Shipping Name:	NON-HAZARDOUS
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 hazardous.

EPA Hazard: Immediate (acute) health hazard; delayed (chronic) health hazard.

Section 313: Methanol (67-56-1): 6.78% by weight.

TSCA: All substances are TSCA Listed.

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## Section 16: Other Information

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Revision Dates, Sections, Revised By: 05-03-2003, CREATED, D. Sloan

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

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