



# Kitter Corporation

# Material Safety Data Sheet

## CLEAR CLEAN With Bleach

### Section 1: Identification

Product Name: CLEAR CLEAN With Bleach  
 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: June 13, 2003

### Section 2: Composition / Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Water	7732-18-5	85 - 99
Sodium Hypochlorite	7681-52-9	1 - 5
Sodium Hydroxide	1310-73-2	<1.0
Sodium Metasilicate, pentahydrate	6834-92-0	1 - 2

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

	OSHA PEL	ACGIH TLV
Sodium Hypochlorite	N/E	N/E
Sodium Hydroxide	2 mg/m3	2 mg/m3
Sodium Metasilicate, pentahydrate	2 mg/m3	2 mg/m3

### Section 3: Hazard Identification

#### Potential Health Effects:

Eyes: Contact with eyes causes severe eye injury.  
 Skin: Prolonged or repeated contact with skin will 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.  
 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: None, PMCC  
 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.  
 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.

## CLEAR CLEAN With Bleach

### 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 (H2O=1) . . . . . 1.08 Boiling Point . . . . . decomposes upon heating  
 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 . . . . . 10 - 11  
 Appearance and Odor: Clear colorless liquid with a characteristic chlorine odor.

### Section 10: Stability & Reactivity

General: Stable, hazardous polymerization will not occur.  
 Incompatible Materials: Strong oxidizing agents.  
 Hazardous Decomposition: Forced combustion yields carbon 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 monographs or OSHA.

### Section 12: Ecological Information

Aquatic Effects: 48-hour "Daphnia magna" LC50 = 1.0 mg/L  
 Bacterial Test LC50 = >5000 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: HYPOCHLORITE SOLUTIONS  
 Hazard Class: 8  
 Packing Group: III  
 UN Number: UN1791  
 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 hazardous.  
 EPA Hazard: Immediate (acute) health hazard.  
 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: 06-13-2003, CREATED, D. Sloan  
 Abbreviations used in this Document: N/A – Not Applicable, N/E – Not Established  
 Disclaimer of Liability: The information contained herein is, to the best of our knowledge, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.