



## 20% DRY BLEACH

### Section 1: Identification

Product Name: 20% DRY 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 16, 2003

### Section 2: Composition / Information on Ingredients

CHEMICAL	C.A.S. NUMBER	WEIGHT %
Sodium Carbonate, Anhydrous	497-19-8	50 - 90
Trichloro-S-triazinetrione	87-90-1	10 - 20
Sodium Metasilicate pentahydrate	6834-92-0	1 - 5
Sodium Tripolyphosphate	7758-29-4	1 - 10

OSHA Hazardous Components (29 CFR 1910.1200):

	OSHA PEL	ACGIH TLV
Sodium Carbonate, Anhydrous	N/E	N/E
Trichloro-S-triazinetrione	N/E	N/E
Sodium Metasilicate Pentahydrate	2 mg/ml	2 mg/ml

### Section 3: Hazard Identification

Potential Health Effects:

Eyes: Contact with eyes causes severe eye injury.  
Skin: Product may cause skin irritation. Prolonged or repeated exposure may cause skin irritation.  
Ingestion: Harmful if swallowed. Swallowing may cause abdominal discomfort, nausea, vomiting and diarrhea.  
Inhalation: Dust may be irritating to the nose, throat 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. Washing eyes within one (1) minute is essential to achieve maximum effectiveness. Seek medical attention immediately.  
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: N/A  
Flammable Limits: LEL - N/A UEL - N/A  
Auto ignition Temperature: N/A  
General Hazard: None  
Fire Fighting Instructions: Use self-contained breathing apparatus for maximum respiratory protection. Use water spray to cool containers in area. Do not use ABC or other dry chemical extinguishers since there is the potential for a violent reaction.

Unusual Fire & Explosion Hazards: None known

### Section 6: Accidental Release Measures

Small Spills: 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 dry area where temperatures do not exceed 125°F (52°C) for 24 hours. Keep off of wet floors. Do not contaminate food or feed by storage or disposal. Wash thoroughly after handling. Keep out of reach of children.

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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.

Eye Protection: Safety glasses or goggles.

Other Recommendations: Launder contaminated clothing and clean protective equipment before reuse.

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## Section 9: Physical & Chemical Properties

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Specific Gravity (H <sub>2</sub> O=1) . . . . .	2.61	Boiling Point . . . . .	>200°F
Vapor Pressure (mmHg.) . . . . .	N/A	Melting Point . . . . .	N/A
Vapor Density (AIR=1) . . . . .	>1	Solubility in Water . . . . .	80% (approximate)
Evaporation Rate (n-BuAc=1) . . . . .	<1	pH . . . . .	3-3.5% (1% solution @ 25°C)

Appearance and Odor: White powder with a slight chlorine odor.

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## Section 10: Stability & Reactivity

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General: Stable, hazardous polymerization will not occur.

Incompatible Materials: Easily oxidizable organic material, ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds, floor sweeping compounds; calcium hypochlorite; alkalis.

Hazardous Decomposition: Forced combustion yields carbon oxides and chlorine containing gases.

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## Section 11: Toxicological Information

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Results of Component Toxicity Tests Performed:

For: Trichloro-S-triazinetriene (87-90-1): Oral LD<sub>50</sub> = 600 mg/kg (Rat); Dermal LD<sub>50</sub> = 7600 mg/kg

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: 96-hour Rainbow Trout LC<sub>50</sub> >0.24 mg/L  
48-hour "Daphnia magna" EC<sub>50</sub> >0.21 mg/L

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## Section 13: Disposal Considerations

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Waste Disposal Method: Dispose waste material in accordance with all applicable federal, state and local regulations and laws.

RCRA 40 CFR 261 Classification: Unused material is not regulated.

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## Section 14: Transportation Information

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U.S. DOT Information:

Proper Shipping Name: TRICHLOROISOCYANURIC ACID, DRY, OXIDIZING, MIXTURE

Hazard Class: 5.1

Packing Group: II

UN Number: UN2468

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; reactive hazard.

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: 06-14-2003, CREATED, D. Sloan

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

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