

MATERIAL SAFETY DATA SHEET

N/A= Not Applicable

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

Effective Date: 10/04 Revision: n/a

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z 295 Hepa & TB Detergent & Disinfectant
Generic Name: R-T-U Detergent Disinfectant
Chemical Family: Quaternary Detergent Blend
Formula: Proprietary

Supplier's Name: Zagers Brand Inc.
Supplier's Address: 4320 Gandy Blvd.
 Tampa, FL 33611
Supplier's Phone #: 813-835-7844

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.105			
Dimethyl Ethyl Benzyl Ammonium Chloride	68956-79-6	0.105			
Nonionic Surfactant	9016-45-9	0 to 5			
EDTA	64-02-8	0 to 5			
Sodium Metasilicate	6834-92-0	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	5 to 10	N/A	N/A	
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F. **Specific Gravity:** 1.01
Vapor Pressure: 20mm Hg @ 68 F. **Vapor Density (Air=1):** >1
% Volatile: 95+ **pH:** 11.5-12.0
Solubility in Water: Complete **Evaporation Rate**
(Water=1): <1
Physical Description: Thin blue liquid with fresh scent.

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A **Lower Explosion Limit:** N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable **Hazardous Polymerization:** None
Hazards Decomposition Products: Will not occur. **Incompatibility (Materials to Avoid):** None

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors or mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Skin irritant. Prolonged or repeated contact may cause dermatitis.
Eyes: Severe eye irritant. Liquid and mists may damage the eyes, causing corneal injury.
Inhalation: Mists may be irritating to nose, throat and lungs. Vapors may cause dizziness, headache, and nausea.
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Burning, pain, and diarrhea expected with large doses.
First Aid Procedures:
Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: Remove victim to fresh air and monitor.
Ingestion: Give large quantities of milk and water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 in-gredients below acceptable limit.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Safety glasses or chemical splash goggles.
Other Protective Equipment: Eyewash station should be available nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories: **Shipping Information:**

No - Fire Hazard FOR CONTAINERS > 1 Gallon : Cleaning Compound
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard FOR 1 GALLON CONTAINERS : Cleaning Compound
 Yes - Immediate (acute) Health Hazard
 Yes - Delayed (chronic) Health Hazard FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
112-34-5	Glycol Ether	8.0

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.