

**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 115 Cleaner Degreaser  
**Generic Name:** Heavy Duty Cleaner Degreaser  
**Chemical Family:** Alkaline Detergent  
**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			
2-Butoxyethanol	111-76-2	5	25 ppm	25 ppm	N/A
Potassium Hydroxide	1310-58-3	2.5	N/A	C2mg/M <sup>3</sup>	N/A
Potassium Tall Oil Soap	61790-44-1	0 to 5			
Tetrasodium Pyrophosphate	7722-88-5	0 to 5			
Dye	N/A	0 to 5			
Fragrance	N/A	< 1			

**SECTION 3-PHYSICAL DATA**

**Boiling Point (°F):** 210 F.      **Specific Gravity:** 1.042  
**Vapor Pressure:** 20mm Hg @ 68 F.      **Vapor Density (Air=1):** >1  
**% Volatile:** 85+      **pH:** 13.0-13.5  
**Solubility in Water:** Complete      **Evaporation Rate**  
**(Water=1):** <1  
**Physical Description:** Thin green liquid with characteristic odor.

**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:** Alkaline vapors in a fire.      **Incompatibility (Materials to Avoid):** Strong acids.

**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. Wear rubber gloves, chemical splash goggles and protective outerwear when handling. Avoid breathing of vapors or mists. Use in well-ventilated area.

**SECTION 7-HEALTH HAZARDS AND FIRST AID**

**Effects of Overexposure:**  
**Skin:** Skin irritant. May cause moderate reddening, and swelling.  
**Eyes:** Severe Eye irritant. Liquid and mists may damage eyes, causing corneal damage.  
**Inhalation:** Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.  
**Ingestion:** Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.

**First Aid Procedures:**

**Skin:** Flush with water. Seek medical attention if irritation persists.  
**Eyes:** Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.  
**Inhalation:** Get to fresh air. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Drink large quantities of 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 nearby. Wear protective rubber footwear when using on floor. Wear protective outerwear when spraying or danger of mist contact may occur.

**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. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261). 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:**

No - Fire Hazard  
 No - Sudden Release of Pressure Hazard  
 No - Reactivity Hazard  
 Yes - Immediate (acute) Health Hazard  
 No - Delayed (chronic) Health Hazard

**Shipping Information:**

FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III  
 FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid, (Potassium Hydroxide), 8, NA-1760, PG III (Limited Quantity)  
 FOR CONTAINERS < 1 GALLON: ORM-D

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>D</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.

<b>CAS#</b>	<b>Chemical Name</b>	<b>Percent by Weight</b>
111-76-2	Glycol Ether	5%

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

<b>CAS#</b>	<b>Chemical Name</b>	<b>Percent by Weight</b>
	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