

**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: 4/02

**SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION**

**Product Name:** Z 670 All Purpose Spotter  
**Generic Name:** Carpet Spot Remover  
**Chemical Family:** Solvent 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			
Isopropyl Alcohol	67-63-0	5 to 10	400 ppm	400 ppm	500 ppm
Propylene Glycol n-Propyl Ether	1569-01-3	5 to 10			
Anionic Surfactant	151-21-3	0 to 5			
Sodium Thiosulfate	10102-17-7	0 to 5			
DuPont Zonyl® Fluorocarbon Registry #	NJTS 00850201001- 5230P	0 to 5			
Fragrance	N/A	<0.01			

**SECTION 3-PHYSICAL DATA**

**Boiling Point (°F):** 212 F.  
**Vapor Pressure:** 30mm Hg @ 68 F.  
**% Volatile:** 90+  
**Solubility in Water:** Complete  
**(Water=1):** >1  
**Physical Description:** Thin liquid with mild pleasant odor.

**Specific Gravity:** 1.026  
**Vapor Density (Air=1):** >1  
**pH:** 10.0 – 10.5  
**Evaporation Rate**

**SECTION 4-FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used):** 96° F. (TCC)  
**Upper Explosion Limit:** 8  
**Lower Explosion Limit:** 1  
**Extinguishing Media:** CO<sub>2</sub>, Foam, Dry Chemical.  
**Special Firefighting Procedures:** Water is very effective.  
**Unusual Fire and Explosion Hazards:** Drums heated by fire can explode.

**SECTION 5-REACTIVITY DATA**

**Stability:** Stable  
**Hazards Decomposition Products:** Carbon monoxide possible if burned.

**Hazardous Polymerization:** None  
**Incompatibility (Materials to Avoid):** Strong oxidizers.

**SECTION 6-STORAGE AND HANDLING INFORMATION**

Combustible liquid Avoid contact with heat, spark or open flame. 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 and protective eyewear when using. Avoid breathing of vapors or mist. Use in well-ventilated area. Empty container may contain explosive or flammable vapors.

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

**Effects of Overexposure:**  
**Skin:** Prolonged or repeated contact may cause dermatitis.  
**Eyes:** Eye irritant. Liquid and mist may damage the eyes, causing corneal damage.  
**Inhalation:** Vapors may be irritating to the mucous membranes of the nose, throat, and lungs. May cause dizziness, headache, and nausea with prolonged breathing of vapors.  
**Ingestion:** May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.  
**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.  
**Inhalation:** Get to fresh air. Seek medical attention if symptoms persist.  
**Ingestion:** Dilute with 2 glasses of water. Seek medical attention immediately.

**SECTION 8-SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** Use in well-ventilated areas only.  
**Ventilation Requirements:** Provide explosion-proof ventilation to keep TLV of Section 2 ingredients below acceptable limit.  
**Protective Gloves:** Chemical resistant rubber.  
**Eye Protection:** Chemical splash goggles recommended.  
**Other Protective Equipment:** Eyewash station and fire extinguisher provided nearby when using.

**SECTION 9-SPILL OR LEAK PROCEDURES**

**Steps to be taken in Case Material is Released or Spilled:** Shut off all ignition sources and ventilate area. 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 ignitability as defined under federal RCRA regulations (40 CFR 261). Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash. Consult local or state environmental officials for further information.. Consult local authorities for disposal in public sewer.

**SECTION 10-REGULATORY INFORMATION**

**SARA Title III - Section 311/312 -Hazard Categories:**  
 Yes - 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 : Cleaning Compound  
 FOR 1 GALLON CONTAINERS : Cleaning Compound  
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>2</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</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
exempt	None	

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>
exempt	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.