

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

Supplier's Name: Zagers Brand Inc.	Product Name: Z-ZD-2 Spray & Wipe Degreaser	HMIS Hazardous Materials Identification System (Ready-to-Use product ONLY) Health - 1 Flammability - 0 Reactivity - 0 Protection - A
Supplier's Address: 4320 Gandy Blvd. Tampa, FL 33611	Generic Name: Super Concentrated Spray & Wipe Degreaser	
Supplier's Phone #: 813-835-7844	Chemical Family: Detergent Blend	
	Formula: Proprietary	

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	10 to 20	25 ppm	25 ppm	50ppm
Monoethanolamine	141-43-5	10 to 20	3 ppm	3 ppm	N/A
Nonionic Surfactant	9016-45-9	5 to 10			
Polyacrylic Acid	N/A	0 to 5			
Fragrance	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.	Specific Gravity: 1.020
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 90+	pH: 11.0 – 12.0
Solubility in Water: Complete	Evaporation Rate (Water=1): >1
Physical Description: Pink liquid with citrus odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None. (TCC)
Upper Explosion Limit: N/A Lower Explosion Limit: N/A
Extinguishing Media: None required
Special Firefighting Procedures: Self-contained breathing apparatus use in confined spaces.
Unusual Fire and Explosion Hazards: Keep fire exposed containers cool with water.

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

Severe eye and skin irritant. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid breathing of vapors or spray mist. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Severe 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 to mouth, throat and gastrointestinal system. Nausea and vomiting may result from excess amounts.
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. Immediately drink 2 glasses of water. Seek medical attention.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Chemical resistant, e.g. rubber or neoprene.
Eye Protection: Chemical goggles, face shield when handling concentrate.
Other Protective Equipment: Eyewash should be made available. Protective footwear should be worn when danger of exposure to feet.

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 disposal 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:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Monoethanolamine Solution), 8, NA-1760, PG III	Health
No - Sudden Release of Pressure Hazard	FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid, (Monoethanolamine Solution), 8, NA-1760, PG III (Limited Quantity)	Flammability
No - Reactivity Hazard		Reactivity
Yes - Immediate (acute) Health Hazard		Personal Protection
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON: Compounds, cleaning liquid, (Monoethanolamine Solution), 8, NA-1760, PG III (Limited Quantity)	

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
111-76-2	2-butoxyethanol (glycol ether)	16%

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.