

Zagers

BRAND

Z 830

MULTI-ENZYME DIGESTANT & SPOTTER

Carpets
Toilets
Grease Traps
Laundry
Drinking Fountains



Urinals
Sinks
Septic Tanks
All Drains
Portable Toilets

Product Description

A concentrated suspension of spores and vegetative cells designed for high enzyme production to digest and liquefy waste. Enzymes such as amylase, protease, lipase, and cellulase are produced and regenerated by this product, thus multiplying the product's effectiveness. These enzymes degrade starch, carbohydrates, protein, grease, fats, and cellulose. Safe to use and handle with a pleasant odor. Excellent for spotting stains on all fabrics, toilet bowls and restroom surfaces, grease traps and drains, sewage plants, sumps, septic tanks, and portable toilets.

Test:

Color:	White emulsion
Odor:	Bubble gum
pH:	7.5 - 8.0
Bacterial Count:	Over 100 billion per gal.
Fumes:	None
Viscosity:	Water thin
Effective Temperature Range:	50° -120°F.
Acid Content:	None
Caustic Content:	None
Phosphate Content:	None
Solubility:	Complete with water
Flash Point:	None
Biodegradability:	Completely
Storage/Stability:	1 year (store out of direct sunlight)
Weight Per Gallon:	8.33 lbs. per gallon
Freeze Thaw Stability:	Keep from freezing

Limit:

Directions For Use

General Deodorizing - Spray product directly onto the cause of the odor. In restrooms, spray directly into bowl, then flush. Spray surrounding surfaces to deodorize.

Carpet Spotting - Remove excess soil with a mild all purpose cleaner. Spray product onto surface. Place a clean paper or terry towel over stain and moisten with product. Allow to stand for at least 1 hour.

Laundry Pre-spotter - Spray soil and stain with product before washing.

Grease Traps - Pour 5-10 ounces of product down drain closest to grease trap daily. It is best to apply product when drain will not be used for a period of time such as over night.

Drain Lines - Use 4-6 ounces twice a week to keep drain lines clear.

Septic Tanks - Add 1 quart for initial treatment. Use 6 ounces per week thereafter by flushing down toilets.

Portable Toilets - Add 1 gallon directly into toilet and cover solids with water. Repeat every time toilet is emptied.

NOTE: Do not use with disinfectants, hot water or chlorine bleaches.

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Z 830 Generic Name: Multi-Enzyme Digestant & Spotter Chemical Family: Bacterial Spore Blend Formula: Proprietary	Supplier's Name: Zagers Brand, Inc. Supplier's Address: 4320 Gandy Blvd., FL 33611 Supplier's Phone #: (800) 241-4797
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Bacterial Spores (genus <i>Bacillus</i>)	N/A	5 to 10			
Nonionic Surfactant	9016-45-9	0 to 5			
Acrylic Emulsion	N/A	0 to 5			
Perfume Oil	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point (°F): 210 F. Vapor Pressure: 20mm Hg @ 68 F. % Volatile: 95+ Solubility in Water: Complete Physical Description: Thin white liquid with pleasant odor.	Specific Gravity: 1.00 Vapor Density (Air=1): >1 pH: 7.0-8.0 Evaporation Rate (Water=1): <1	Flash Point (Method Used): N/A Upper Explosion Limit: N/A Extinguishing Media: N/A Special Firefighting Procedures: Non Flammable Unusual Fire and Explosion Hazards: N/A	Lower Explosion Limit: N/A
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SECTION 5-REACTIVITY DATA

Stability: Stable Hazards Decomposition Products: Will not occur.	Hazardous Polymerization: None Incompatibility (Materials to Avoid): None
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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. Wash hands thoroughly after use. Avoid contact with open wounds/sores.

SECTION 7-HEALTH HAZARDS AND FIRST AID

SECTION 8-SPECIAL PROTECTION INFORMATION

Effects of Overexposure: Skin: Slight irritant. Prolonged or repeated contact may cause dermatitis. May infect open wounds. Eyes: Eye irritant. Liquid and mists may infect the eyes. Inhalation: N/A Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected from large doses. First Aid Procedures: Skin: Remove contaminated clothing. Flush affected areas with large quantities of water followed by washing with mild soap. Seek medical attention if irritation persists. Eyes: Flush with large quantities of water. Seek medical attention. Inhalation: N/A Ingestion: Give large quantities of water. Seek medical attention immediately.	Respiratory Protection: No special requirements. Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit. Protective Gloves: Waterproof. Eye Protection: Safety glasses. Other Protective Equipment: N/A. Wash hands thoroughly after each use.
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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 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: No - Fire Hazard No - Sudden Release of Pressure Hazard No - Reactivity Hazard No - 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
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HMS Hazardous Materials Identification System

Health	1
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
	None	

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