



Maintenance Solutions

Grand Opening

Fast Acting Enzyme Digestant & Drain Opener



DESCRIPTION

This powerful product is the first of its kind to combine the rapid waste digesting abilities of bacteria with the activity of free enzymes. When added to organic waste, the enzymes immediately begin to breakup

For Use On:

- Sewage Plants
- Septic Tanks
- Portable Toilets
- Drinking Fountains

complex organic waste molecules while eliminating odors. May be used with modern metering equipment to truly automate your routine maintenance programs. Contains a high concentration of free enzymes, including protease, amylase, lipase, and cellulase. Safe to use, contains no harsh acids or caustics, will not harm fixtures or plumbing.

DIRECTIONS

For Unclogging Sinks, Toilets, Floor Drains, Urinals, Or Any Slow Plumbing - Pour 3 to 4 ounces of product into every drain once per week to keep plumbing open and free-flowing. For best results treat at the end of the day or at a period of lowest flow to allow bacteria to establish themselves along plumbing walls.

Grease Trap Maintenance - Regular use of this product will dramatically reduce the frequency of grease trap pump-out, while controlling odors. For initial treatment add 1 quart directly to the trap through drain. For Maintaining: Add 24 to 32 ounces on a weekly basis.

Septic Tanks - Add 1 gallon of product for the initial treatment of a typical septic tank (750 gal. capacity). To keep septic tank and leach bed in peak operating condition, add one quart per month.

Lift Stations - Add 1 quart of product to 500 cubic feet directly into wet well.

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

PRODUCT SPECIFICATIONS

Color:	Green	Amylolytic:	225 Dv/gm (min.)
Odor:	Lime	Lipolytic:	Unstandardized
pH:	7.0 - 7.5	Cellulolytic:	Unstandardized
Fumes:	None	Solubility:	Complete with water
Viscosity:	Water thin	Flash Point:	None
Effective Temperature Range:	50° -120°F	Biodegradability:	Complete
Micro-Biological Properties:		Storage/Stability:	1 years (store out of direct sunlight)
Bacterial Spore Count:	200 billion per gal.	Weight per Gallon:	8.34 lbs./gal.
Biochemical Properties:		Freeze / Thaw Stability:	Keep from freezing
(Enzyme Activity)			
Proteolytic:	2.250 PV/gm (min.)		

Enzyme Digestants

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Grand Opening	Supplier's Name:
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Enzyme Digestant & Drain Opener	Supplier's Address:
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Biological Enzyme/Detergent Blend	Supplier's Phone #:
	Formula: Proprietary	

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Non-Pathogenic Bacteria and Enzymes	N/A	10 to 15			
Nonionic Surfactant	9016-45-9	0 to 5			
Propylene Glycol	57-55-6	25 to 30			
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.	Specific Gravity: 1.00
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 95+	pH: 7.0 to 7.5
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Thin green liquid with pleasant 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: 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 tightly closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing.

SECTION 7-HEALTH HAZARDS AND FIRST AID

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. 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.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Rubber or other chemical resistant
Eye Protection: Safety glasses recommended
Other Protective Equipment: N/A

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:	HMIS Hazardous Materials Identification System
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound	Health
No - Sudden Release of Pressure Hazard		Flammability
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound	Reactivity
Yes - Immediate (acute) Health Hazard		Personal Protection
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON :Cleaning Compound	

Health	1
Flammability	0
Reactivity	0
Personal Protection	A

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