

TechDigestant II

Garbage Rooms Odors Control

V 3.0



TechDigestant II | Garbage Room and Dumpsters Bad-Smell Control | Enzyme Bacteria Digestant System | Trash Chutes Cleaner and Disinfectant | Full Automatic Programmable Sprayer System | Simple Set-Up Installation | Industrial-Grade







Installed at 1111 Central Naples, Fl. Luxury Apartments
Vesta Property Management
A/C closed garbage room

Specifications for this Kit:

Brand Name	Solvedify
Part Number	SO-5G-2507A-E-CMN2903
Number of Items	22
Package Weight	78.0 pounds
Size	
UNSPSC Code	76101606

Product Description:

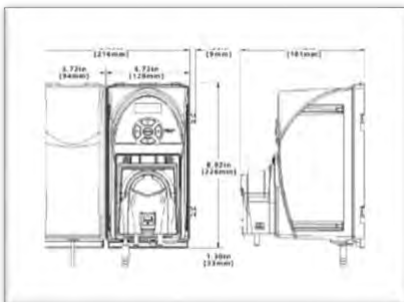
The **TechDigestant II** is an automatic programmable spraying system combined with our last generation bioengineered enzyme solution to deliver the higher possible control over the putrid gases releases from organic decomposition.

Neutralized the Bad-Odors while a pleassant fragrance take over!

The TechDigestant II kit pakage includes:

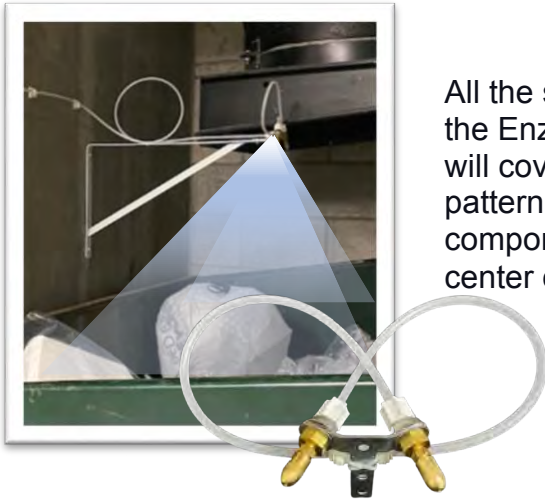
1. German tech USA made full digital programmable pump/fogger/dispenser, and the ease to use full support instruction.
2. 20 feet 1/4" LDPE Tubing.
3. Spray nozzle assambly kit (2 sprayer, 1 T fitting conector, and 1 adjustable sprayer angle bracket).
4. 1/4 x 1/4 QC Union Fitting Kit (2 pack).
5. AC Adapter U.S.A. 120 Volt (1 pack).
6. #8 Screw & Anchor Kit (4 pack).
7. Compression fitting (3 pack).
8. Adhesive wall clips (5 pack).
9. 24" to the dumpters center wall bracket (1 pack).
10. Wall bucket rack safe locking (1 pack).
11. 5 gallons special enzyme disgestant (colony forming 200 billion cfu/gla.).

Installation:



Simple and comprehensible diagramed installation instruction. Most connections are with quick couplings. (4) screws for the pump/dispenser, (2) screws for the 24" to the dumpster center wall bracket, and (2) screws for the wall mounting buckle rack.

Engineered components:



All the system components are designed not only to dispense the Enzyme in time and quantity but to make sure the chemical will cover the complete dumpster area by using a full cone pattern sprayer at the right angle, at the right height. Spraying components are attached to a 24" long bracket to reach the center of the dumpster.

We make sure you will use all Enzyme in the container:



Unlike most application that needs to pull liquids out of containers using flexible tubing, which create a circular shape at the bottom of the container, leaving lots of the liquid without being consumed. The **TechDigestant II** system has a specially designed "Pick Up Tube" that will allow you to use almost to the last drop of the Enzyme.

Complying with security and safety issues:

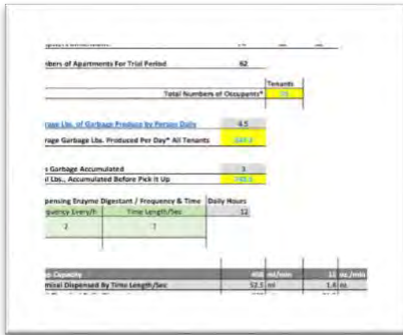


The TechDigestant II system brings a bucket rack safe locking that will protect the Enzyme container from impacts regularly caused when the full garbage dumpsters are pulling out by the garbage truck personnel.

Furthermore, the bucket allows using any lock to make sure that only an authorized person will be able to manipulate the Enzyme and container.

OSHA compliance, (HCS) (29 CFR 1910.1200(g)) GHS Signs - Harmful/Irritant and MSDS with emergency contact, and first-aid measures information.

How much Enzyme do I need to dispensing?



The screenshot shows a web-based calculator with the following fields and values:

Number of Apartments For Trial Period	62	
Total Number of Occupants*	124	
Use Lit. of Garbage Produced by Person Daily	4.5	
Age Garbage Lit. Produced Per Day* All Tenants	558	
Garbage Accumulated	1	
Lit. Lit. Accumulated Before Pick It Up	559	
Dispensing Enzyme Dispenser / Frequency & Time	Daily Hours	
Dispense Interval	Time Length/Sec	12
2	1	
Capacity	400 ml/min	12 sec/min
Time Dispensed By Time Length/Sec	12.5 sec	1.4 min

Our in-house developed online calculator tool will help you to estimate the right quantity of Enzyme that you might need to have an efficient installed system, which is proportional to the numbers of persons living in the property. This is a key information to control your Enzyme supply consume.

Programming:



The **intuitive** digital user interface allows **step-by-step** dispenser **set up** in minutes. Complete the system basic information: date, time, which days of the week you will like to dispense, interval time between dispensing, and for how long. And the system will do the job.

Friendly to the environment:



This is an aqueous solution containing naturally occurring micro-organisms, surfactants and colorants. It is generally considered as non-hazardous.

Application Includes:

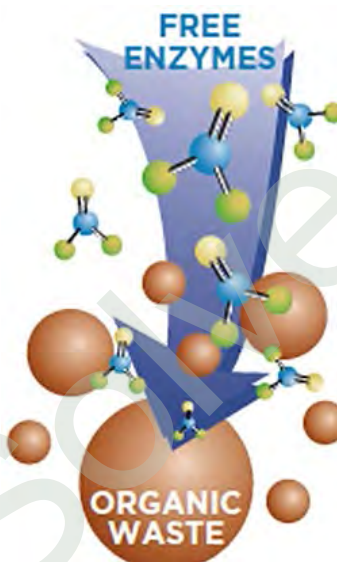
- Grease traps (restaurants, large kitchen institutions)
- Drain maintenance
- Odor control
- Dumpster ([Video 1](#), [Video 2](#))
- Trash chutes
- Food service
- Lodging
- Food processing
- Lift stations

THE MECHANICS OF ORGANIC DIGESTION

The purpose of adding a bacterial digestant to organic waste is to hasten the process of decomposition without producing foul odors. Three basic elements needed to quickly and effectively break down waste. These elements are nutrients, free enzymes and bacterial cultures. Here's how it works:



NUTRIENTS: Promote bacteria growth and increase digestion activity



FREE ENZYMES: Break down complex waste molecules making digestion easier for bacteria



BACTERIAL CULTURES: Select bacteria digest and eliminate organic waste by converting it into its basic components carbon dioxide, and water

Enzyme Digestant Bacterial Eater



PRODUCT USES

Enzyme formulation whose organisms digest and liquify oils, foods, fats and grease which clog and contaminate grease traps and drain lines. New and improved version introduced in June 2010.

OPERATOR BENEFITS

- Safe on sinks and drains.
- Special bacteria cultures digest organic waste.
- Contains no harmful acids, solvents, nor caustics.

DIRECTIONS FOR USE

General Odor Control: Eliminate blood, urine, smoke and feces in areas as garbage cans, waste receptacles, locker rooms, carpet, etc. Spray product directly on malodor and allow the bacterial action to digest the material while **the pleasant fragrance immediately neutralizes the odor.**

Grease Traps: For traps less than 20 cubic feet capacity, add 4-5 oz. of product daily, by pouring in a sink or pipeline closest to the trap. This should be done at night or when the traps are used the least. Flush with a cup of lukewarm water. For grease traps larger than 20 cubic feet, add 8-10 oz. daily using the same procedure.

Drain Lines & Down Pipes: Use product a minimum of 2 times weekly, to a maximum of 4 times. Add 4 oz. of product for each 2 inches of pipe size

PRODUCT SPECS

Pack size: 4/1 Gal., 5 Gal.

Characteristics: Non-viscous liquid

Rinsability: NA

Flammability: NA

Biodegradable: Yes

Colony Forming Units: 200 billion cfu/gal.

Color: Milky

Odor: Fresh "out-doorsy"

Foam: Low

pH in conc. form: 6.5 – 8.5

Phosphorous content: 0.0%

IMPORTANT OPERATOR INFORMATION

SDS:

Refer to the Safety Data Sheet (SDS) supplied by your distributor for information on emergency response, safe usage, hazards, first aid and proper product handling.

Emergency Response Phone: 1-800-424-9300

Statement of

Practical Treatment:

If swallowed: Dilute by giving large amounts of water and call a physician.

For eye or skin contact: Flush with cool water for 15 minutes and call a physician.

Product Precautions:

CAUTION: Harmful if swallowed.

Irritating to eyes and skin.

KEEP OUT OF REACH OF CHILDREN.

Shipping Classification:

Not Regulated

Safety Data Sheet

Section 1: Identification

Name: TMA - Grease Gobbler	Date Issued: 4-19-15
Other Name: N/A	TMA Code: TM108558
Recommended Use: Digests grease & oils biologically	
Supplier Information: Technical Marketing Alliance 2335 Buttermilk Crossing Crescent Springs, KY 41017	
Emergency Telephone: 800-424-9300	Product Information: 859-727-7854

Section 2: Hazard(s) Identification

Potential Health Effects

Signal Word = Warning	Label Elements:
Hazard Category:	
Acute Oral Toxicity = 4 - Harmful if swallowed	
Eye Damage/Irritation = 2B - Causes eye irritation	



Precautionary Statement:

Prevention = Wash any contacted parts of the body after handling with soap and water thoroughly. Wear eye protection/face protection.

Response = If swallowed, contact a physician immediately and follow advice from medical professional. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Storage = Store containers in an upright position. Ensure container lids are in place and secure when not in use.

Disposal = Review all federal, state and local laws regarding disposal of this product.

Prolonged/Repeated Exposure Effects: See section 2 for acute affects

Eye: N/A

Skin: N/A

Inhalation: N/A

Ingestion: N/A

The above listed potential effects are compiled based on a review of all component SDS's

Section 3: Composition Information on Ingredients

This is an aqueous solution containing naturally occurring micro-organisms, surfactants and colorants. It is generally considered as non-hazardous.

%Phosphorus in product: 0%

All components are considered non-hazardous and proprietary in their quantities

Section 4: First Aid Measures

Eye: Flush affected area with large quantities of water for at least 15 minutes. Obtain medical attention if irritation persists.

Skin: Flush affected area with large quantities of water for at least 15 minutes. Obtain medical attention if irritation persists.

Inhalation: If symptoms are experienced, remove victim to fresh air. Obtain medical attention if irritation persists.

Ingestion: Obtain medical attention.

Section 5: Fire Fighting Measures

Flash Point: N/A

Fire Fighting Methods: Use methods suitable for surrounding fire.

Auto ignition Temperature: Not Determined

Flammability Limits: N/A

Extinguishing Media: Select extinguisher suitable for surrounding fire Unusual Fire Hazards: N/A

Section 6: Accidental Release Measures

Containment and Clean up: Observe all personal protective equipment noted in sections 5 and 8. Observe local, state, and federal laws and regulations that may apply to a release and disposal of this material.

Section 7: Handling and Storage

Store containers in an upright position. Ensure container lids are in place and secure when not in use.

Section 8: Exposure Controls

PPE for Routine Handling and Spills: Wear safety glasses and chemical resistant gloves.

Eyes: Safety glasses recommended when handling large quantities.

Skin: Chemical protective gloves are recommended

Inhalation: No respiratory protection required.

Section 9: Physical and Chemical Properties

Physical Form: Liquid	Odor: Fresh "out doorsey"	Freezing/Melting Point: N/D
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Color: Thin Milky	Specific Gravity: Similar to water	pH: 6.5-8.5
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Boiling Point: N/D	Viscosity: N/D	Vapor Density: N/D
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Vapor Pressure: N/D

Section 10: Stability and Reactivity

Chemical Stability: Stable	Hazardous Polymerization: Will not Occur	Conditions to Avoid: N/A
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Materials to Avoid: N/A	Hazardous Decomposition Products: N/A
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Section 11: Toxicological Information

Special Hazard Information on Components: No known applicable information

Listed on NTP Report? No

Listed on IARC (Suspected Carcinogen)? No

Section 12: Ecological Information

Exotoxicity: N/D	Bio accumulative Potential: N/D
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Persistence and Degradability: Similar to water	Mobility in Soil? N/D
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Section 13: Disposal Considerations

Review all federal, state and local laws regarding disposal of this product.

Section 14: Transportation Information

DOT Shipment Information (49 CFR 172.101): Non Dot Regulated

Section 15: Regulatory Information

Contents of this SDS comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: None of the chemical substances appearing on this SDS are subject to the Toxic Substances Control Act (TSCA) section 12(b) export notification requirements delineated at 40 CFR part 707, subpart D.

EPA SARA Title III Chemical Listings: N/A

CERCLA Hazardous Substances: N/A

Section 311/312 Hazard Class: N/A

Section 313 Toxic Chemicals: N/A

Section 16: Other Information

Prepared by: J. Chantz Horman on 4/19/15. The industrial hygiene and safe handling procedures are believed to be applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.