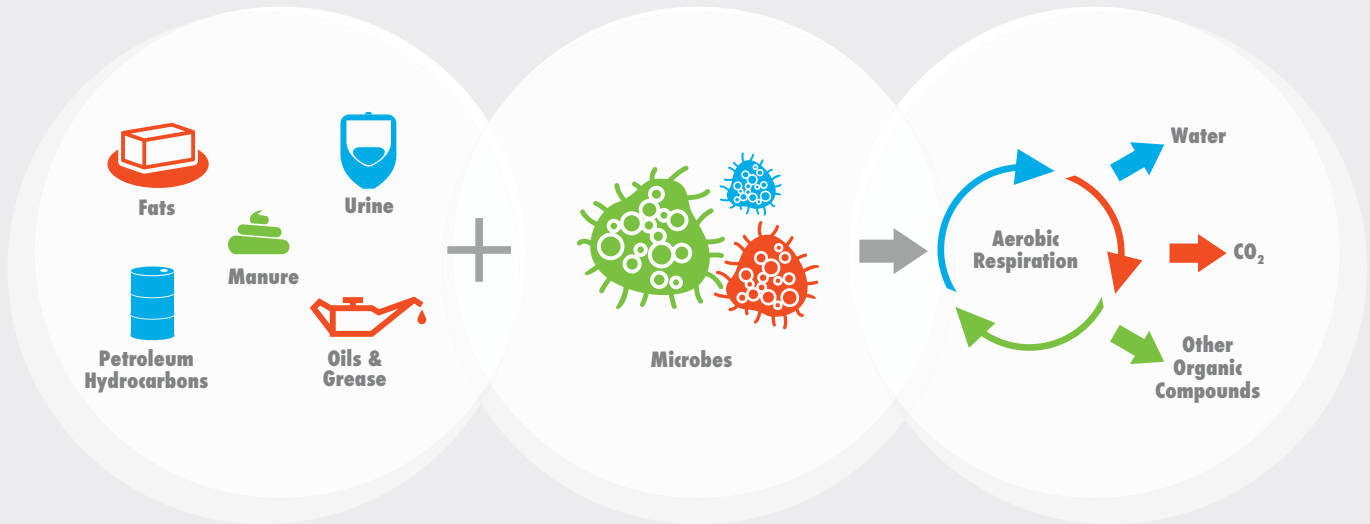




## WAXIE Bioactive Maintenance Products

For Safe & Effective Removal of Problematic Organic Materials

# THE KREBS CYCLE



## A Bioremediation Approach...What Are Microbes?

Microbes are one of the earliest life forms on earth and they are highly diverse. They include bacteria, fungi, algae, plankton, etc. WAXIE's family of bioactive products use naturally occurring Biosafety Level 1 microorganisms, which are nonpathogenic and not harmful to plants, animals or humans (Level 1 is the safest and Level 5 is the most dangerous). They break down fats, oils & grease (FOG), urine, petroleum hydrocarbons, manure and many other organic compounds into the base molecular components of carbon dioxide and water by way of the Krebs Cycle. The Krebs Cycle is an aerobic metabolic process present in every aerobic organism and utilizes oxygen to create chemical reactions at a molecular level.

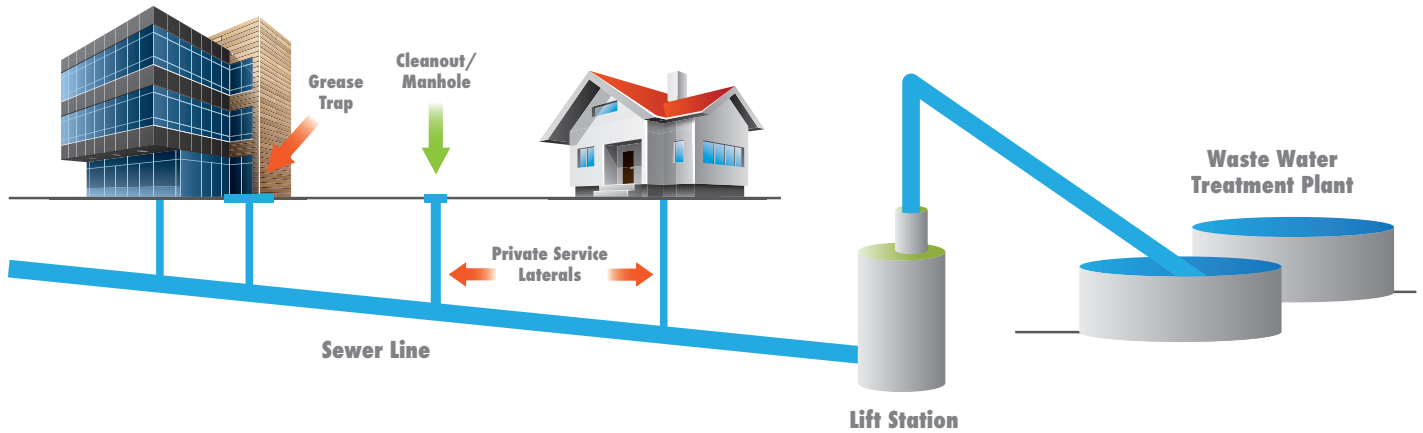
The specific bacterial species used in WAXIE's Bioactive Maintenance Products can be used in sinks, floors, drains, lift stations, compost, interceptors or grease traps where organic materials cause problematic or under performing conditions. **Oxygen in the presence of bacteria utilizing the Krebs Cycle significantly reduces or eliminates unwanted organic materials** in water drainage systems and grease traps, thereby improving system performance and decreasing physical maintenance costs.

In addition, when considering a total life cycle assessment analysis, the positive impacts of aerobic bacterial treatment in drains and grease traps significantly outweigh those of alternative options, such as caustic chemical treatment or mechanical removal of grease for disposal.

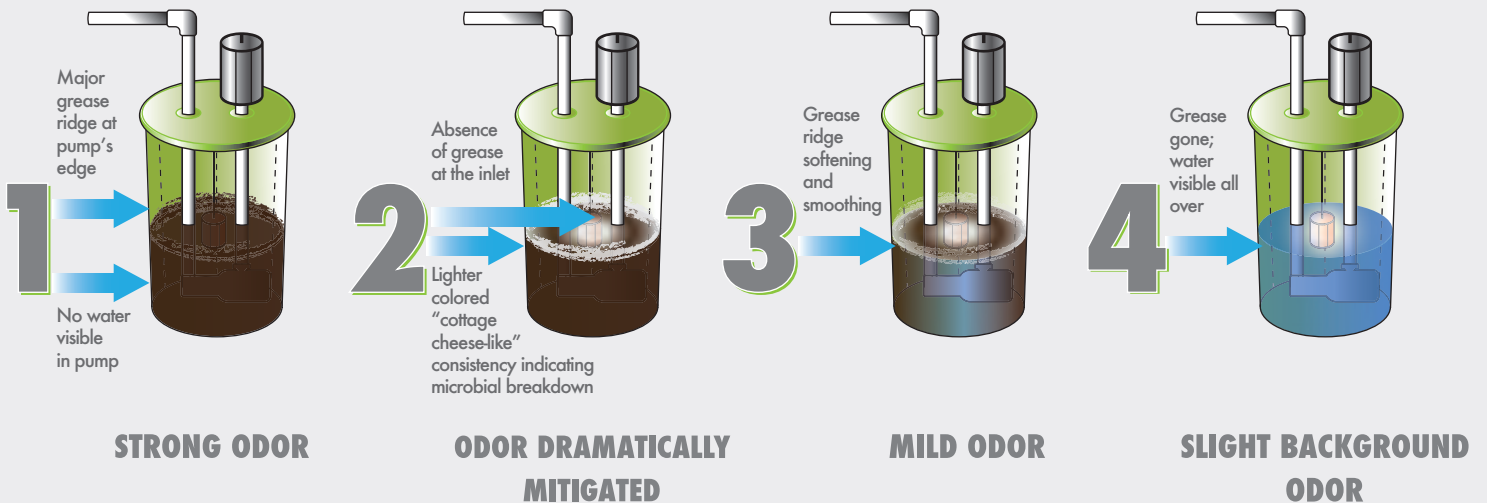
# Waste Water Treatment

Sewage collection and treatment is the process of collecting and removing contaminants from waste water and household sewage, which includes runoff (effluents from domestic, commercial and institutional facilities). It includes physical, chemical, and biological processes to remove physical, chemical and biological contaminants. The objective is to produce an environmentally safe fluid waste stream (or treated effluent) and a solid waste (or treated sludge) suitable for disposal or reuse (usually as farm fertilizer). Microorganisms play a vital role in both sewage treatment and maintenance of the collection system.

## WASTE WATER FLOW



## SEWER EJECTOR TREATMENT PROCESS



## Lift & Interceptor Treatment & Maintenance



### WAXIE Lift & Interceptor Treatment

Municipal/Industrial Grade Dual-Action Bioactive Product

A powerful industrial and municipal grade dual-action bioactive product for the remediation of FOG (Fats, Oils and Grease) and elimination of hydrogen sulfide or methane gas in drain lines, sewers, municipal lift stations, grease traps or interceptors. Maintains clear lateral lines while eliminating odors.

1033001 drum                      5 gl  
1033002 drum                      15 gl

## Drain Cleaning & Maintenance



### WAXIE MicroDrain Cleaner

Municipal/Industrial-Strength Bioactive Drain Cleaner and Maintainer

Highly concentrated consortium of microbes concentrated to 1.3 trillion units per gallon. Reduces or eliminates hydrogen sulfide production. Fragrance-free. Dilution based on application.

1030624 gl/cs                      4/cs  
1030625 drum                      5 gl  
1030622 drum                      15 gl



### WAXIE Drainzyme HD Drain Maintainer Professional-Strength, Bioactive Drain Maintainer

A liquid drain maintainer designed to keep household, office and general-purpose drain lines free flowing and odor free. Contains seven strains of beneficial microbes concentrated to 220 billion units per gallon. Fragrance-free. Dilution based on application. **Note:** Not recommended for commercial kitchen grease lines (please use WAXIE MicroDrain Cleaner).

1030837 qt/cs                      12/cs  
1030834 gl/cs                      4/cs  
1030832 drum                      5 gl

## Surface Cleaners & Deodorizers



### WAXIE-Green™ Liquid Microbes

Professional-Strength, General-Purpose Bioactive Products

*ECOLOGO CCD-110/UL 2792 Certified*

WAXIE-Green Liquid Microbes, available in three fragrances (Mango Plus, Orange Plus and Spring Mint Plus), contain a general-purpose consortium of beneficial microbes concentrated to 220 billion units per gallon. Dilution: 1:8 to 1:16.

Mango Plus	160730 qt/cs	12/cs	160734 gl/cs	4/cs
Orange Plus	161990 qt/cs	12/cs	161994 gl/cs	4/cs
Spring Mint Plus	162070 qt/cs	12/cs	162071 gl/cs	4/cs

### WAXIE-Green™ Fresh Mist Liquid Microbes

#### 330 WAXIE-Green™ Fresh Mist Liquid Microbes (Solution Station®)

High-Performance Odor Control & Degreasing

*ECOLOGO CCD-110/UL 2792 Certified*

*CACC Certified*

A powerful hard surface cleaner with our most popular Fresh Mist fragrance. Microorganisms digest and penetrate dirt buildup, grease and grime. Product attacks malodors at their source. It is a concentrated, biodegradable, non-hazardous liquid that can be used on a variety of surfaces. Dilution 1:8 to 1:16 for gallons, and 1:64 for Solution Station concentrate.

160116 gl/cs                      4/cs  
160115 3L/ea                      4/cs



## Industrial Degreasers & Professional Strength Cleaners



### WAXIE-Green™ Unbelievable Hard Surface Cleaner 940 WAXIE-Green Unbelievable Hard Surface Cleaner (Solution Station®)

Municipal/Industrial-Strength Hard Surface Cleaner and Degreaser with Advanced Surfactant System

*ECOLOGO CCD-110/UL 2792 Certified*

An all-natural and powerful cleaner & deodorizer designed for everyday use or for use on the toughest jobs. Contains 'fermentation enzymes' and seven microbial species chosen for their high production enzymes useful in hard surface cleaning. Fragrance-free. Dilution: 1:32 to 1:64.

320214 gl/cs                      4/cs  
320215 drum                      5 gl

### WAXIE-Green™ CDC Chute, Dumpster & Compactor Cleaner

Professional-Strength Bioactive Cleaner for Trash Chutes, Dumpsters and Compactors

*ECOLOGO CCD-110/UL 2792 Certified*

A powerful bioactive odor eliminator which eliminates undesirable bacteria that cause odors from decomposing organic material. Contains zinc ricinoleate, a natural odor absorber, for instant results and a five-strain microbial consortium specifically selected for garbage odor elimination and long-term control. Fragrance-free. Dilution: 1:10 to 1:20.

Recommended Equipment:

- Dock & Dumpster Hose-End Hydro Foamer 48 oz.
- 50' Flexible Water Hose – Green

410254 gl/cs                      4/cs

### WAXIE-Green™ Bioactive Petroleum Cleaner

Municipal/Industrial-Strength Bioactive Drain Cleaner for Petroleum Hydrocarbons

*ECOLOGO CCD-110/UL 2792 Certified*

A highly concentrated consortium of microbes concentrated to 1.3 trillion units per gallon. Reduces or eliminates Hydrogen Sulfide production. Fragrance-free. Dilution based on application.

1030604 gl/cs                      4/cs

## Specialty Non-Microbial Products



### WAXIE-Green™ CSL Calcium, Scale & Lime Remover

Municipal/Industrial-Strength Descaler

*ECOLOGO CCD-146/UL 2759 Certified*

A non-corrosive acid with a pH of less than 0.5 that provides the efficacy of hydrochloric or sulfuric acid without the safety concerns. Use concentrated or dilute up to 1:24 and still maintain a pH of less than 1. Odorless, safe and very effective.

1030610 qt/cs                      12/cs  
1030614 gl/cs                      4/cs  
1030615 drum                      55 gl

## Accessories & Dispensers



### Pro-Watch 510XT Pumping System

Pro-Watch is a microprocessor based chemical dispensing system for grease traps, drains, and odor control. This easy-to-use system stores up to 20 dispensing events per day, programmable by day, minutes or seconds.

Pro-Watch 510XT Pumping System                      578120 each

### 510XTMS Misting System

The 510XTMS is perfect for wet wells, lift stations, trash compactors, roll away bins, and other garbage and cardboard repositories that produce noxious odors that can offend customers and residential neighbors. 115V external, plug-in transformer. Electric.

Pro-Watch 510XTMS Misting System                      1030326 each

# Where Can I Use WAXIE Bioactive Maintenance Products?

Product Name	Fragrance	U/M	Pack	Item #	Use
WAXIE Lift & Interceptor Treatment	N/A	5-gallon	drum	1033001	Municipal grade; Maintains clear lateral lines; Remediates FOG in lift stations, ejectors and interceptors; Eliminates odors
		15-gallon	drum	1033002	
WAXIE MicroDrain Cleaner	N/A	gallon	4/cs	1030624	Commercial kitchens; Municipal lift stations; Grease lines; City sewage; Waste water treatment plants; Sewage ejector
		5-gallon	drum	1030625	
		15-gallon	drum	1030622	
WAXIE Drainzyme HD Drain Maintainer	N/A	quart	12/cs	1030837	Septic systems; Drain lines; Odor abatement
		gallon	4/cs	1030834	
		5-gallon	drum	1030832	
WAXIE-Green™ Liquid Microbes *	Mango Plus	quart	12/cs	160730	General-purpose odor removal; Cleaning of restrooms, kitchens, offices, carpets, etc.
		gallon	4/cs	160734	
	Orange Plus	quart	12/cs	161990	
		gallon	4/cs	161994	
	Spring Mint Plus	quart	12/cs	162070	
		gallon	4/cs	162071	
WAXIE-Green™ Fresh Mist Liquid Microbes * † 330 WAXIE-Green™ Fresh Mist Liquid Microbes* †	Fresh Mist	gallon	4/cs	160116	Floors; Walls; Tiles; Fixtures; Carpets; Pet stains; Trash bins & garbage containers; Urinals
Fresh Mist	3-liter	4/cs	160115		
WAXIE-Green™ Unbelievable Hard Surface Cleaner * 940 WAXIE-Green™ Unbelievable Hard Surface Cleaner *	N/A	gallon	4/cs	320214	Commercial kitchens; Hard surface cleaning; Grout cleaning; Urine saturated concrete odor removal; Edible grease embedded surfaces
		5-gallon	drum	320215	
	N/A	3-liter	4/cs	320216	
WAXIE-Green™ CDC Chute, Dumpster & Compactor Cleaner *	N/A	gallon	4/cs	410254	Trash chutes; dumpsters; compactors
WAXIE-Green™ Bioactive Petroleum Cleaner *	N/A	gallon	4/cs	1030604	Parking garage floors; Mechanic bays; Bus wash stations; Drain lines; Oil separators; Remediating small-to-medium size hydrocarbon spills
WAXIE-Green™ CSL Calcium, Scale & Lime Remover	N/A	quart	12/cs	1030610	Hard water spot removal; Descaling coolant towers; Removing sprinkler overspray from windows; Removing calcium/uric crystal buildup in pipes; Rust remover
		gallon	4/cs	1030614	

\* ECOLOGO CCD-110/UL 2792 Certified

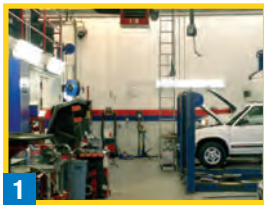
† CACC Certified

Accessories & Dispensers	Pack	Item #
Pro-Watch 510XT Pumping System	each	578120
Pro-Watch 510TMS Electric Misting Unit (for wet wells & lift stations)	each	1030326
Dock & Dumpster Hose-End Hydro Foamer (48 oz.)	each	891207
50' Flexible Water Hose – Green	each	890350
SOLSTA NEXGEN Dispenser Cabinet	each	321055
SOLSTA NEXGEN Dispenser Cabinet Air Gap	each	321058

Accessories & Dispensers	Pack	Item #
SOLSTA FDC Dispenser Cabinet	each	321070
SOLSTA FDC Dispenser Cabinet Air Gap	each	321071
VERSA High Performance Cleaning Caddy by WAXIE	each	577535
VERSA II High Performance Cleaning Caddy by WAXIE	each	577537
SOLSTA PDC Dispenser	each	321016

**Note:** All SOLSTA Solution Station® chemicals can be dispensed through the WAXIE SOLSTA PDC™, FDC™, NEXGEN™ & VERSA™/VERSA II™ Systems.

	Product Name
1	WAXIE-Green™ Bioactive Petroleum Cleaner
2	WAXIE-Green™ CDC Chute, Dumpster & Compactor Cleaner
3	WAXIE-Green™ CSL Calcium, Scale & Lime Remover
4	WAXIE Drainzyme HD Drain Maintainer
5	WAXIE-Green™ Fresh Mist Liquid Microbes/ #330 WAXIE-Green™ Fresh Mist Liquid Microbes
6	WAXIE-Green™ Liquid Microbes
7	WAXIE MicroDrain Cleaner
8	WAXIE-Green™ Unbelievable Hard Surface Cleaner/ 940 WAXIE-Green™ Unbelievable Hard Surface Cleaner
9	WAXIE Lift & Interceptor Treatment



1



2



3



4



5



6



7



8



9

WAXIE Bioactive Maintenance Products Liquefy & Digest Organic & Petroleum Hydrocarbon Waste!

Application	Recommended Product(s)
Composting	2 4 7
Drain Line Cleaning/Maintenance	7 4 5 6
Fleet/Bus/Train Washing	1
Grease Line/Trap Maintenance	7 4
Guest Room Drain Maintenance	7 4
Hard Surface Cleaning	5 8
Hard Surface Floor Care	5 8
Hard Water Spot Removal	3
Hydrogen Sulfide Management	7 4
Lift Station Maintenance	7 9
Manure Digestion	7 2 4
Odor Abatement: General	2 5 6 7
Odor Abatement: Livestock	2
Odor Abatement: Restrooms	5 6 8
On-Site Waste Water Treatment	7 4
Parking Garage Cleaning	1
Pond Maintenance: Ornamental	2
Pond Maintenance: Waste	7 4
Pool Deck Cleaning	1 3 5 8
Septic System Maintenance	7 4
Sewer Collection System	7 9
Sewer Ejector Maintenance	7 9
Sidewalk Cleaning	1 5 8
Uric Crystal Remediation	3 7
Well Calcium/Lime Restoration	3

### PRODUCT CERTIFICATIONS



#### SCAQMD CLEAN AIR CHOICES CLEANER CERTIFICATION (CACC)

Where indicated, SCAQMD's "Clean Air Choices" Cleaner Certification Program identifies very low-polluting cleaning products. A product must meet a stringent list of qualifications, including a VOC limit of 10 grams per liter or less, and verification that no prohibited ingredients (such as Toxic Air Contaminants, Hazardous Air Pollutants, Ozone Depleting Compounds, Global Warming Compounds, Heavy Metals and Carcinogens) are present.



#### UL/ECOLOGO

Where indicated, this product meets UL ECOLOGO's standard for sustainability for biologically based cleaning and degreasing compounds based on environmental leadership and proven performance substantiated through life cycle review.



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