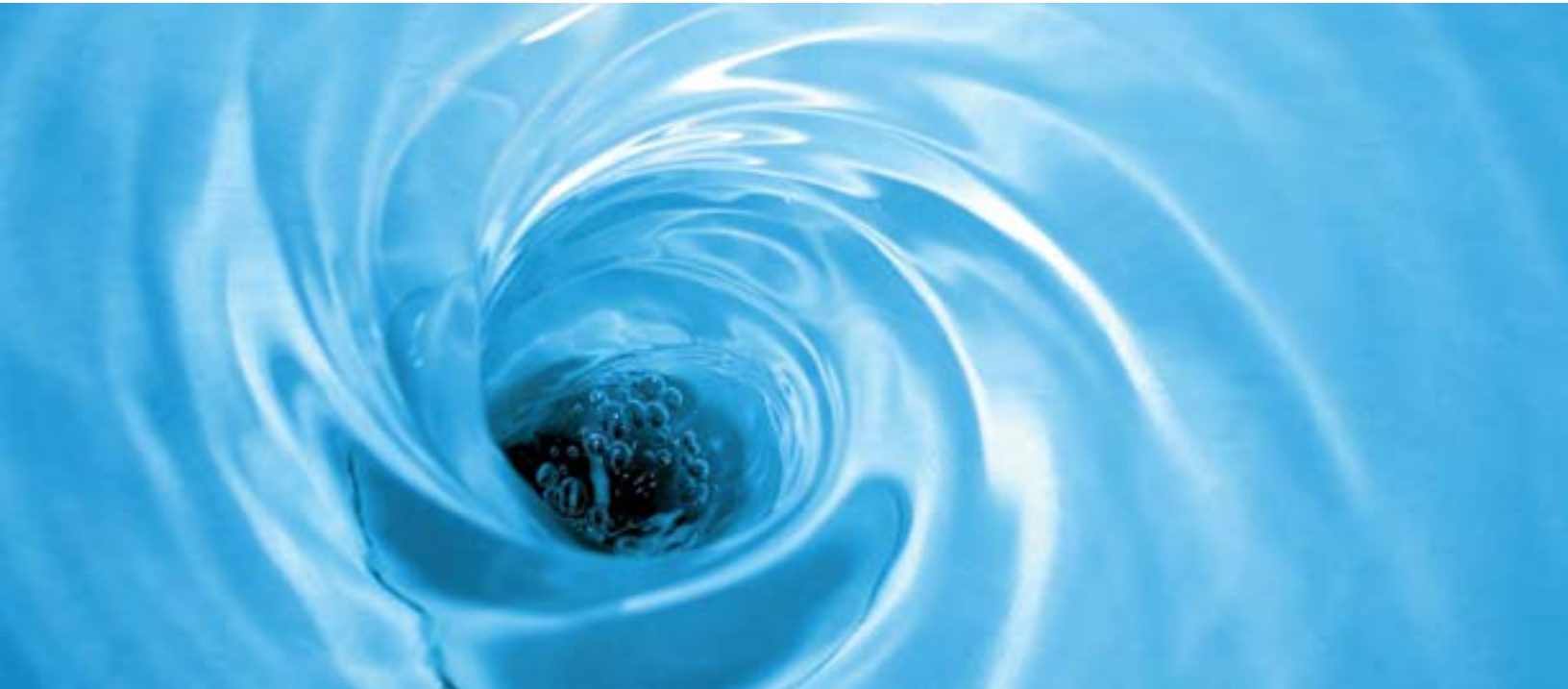




# Bioactive Maintenance Products



***Safely & effectively removes problematic organic materials!***

- Sinks
- Floors
- Drains
- Septic Systems
- Lift Stations
- Compost
- Interceptors
- Grease Traps
- Sewer Ejectors
- Bus Wash Stations

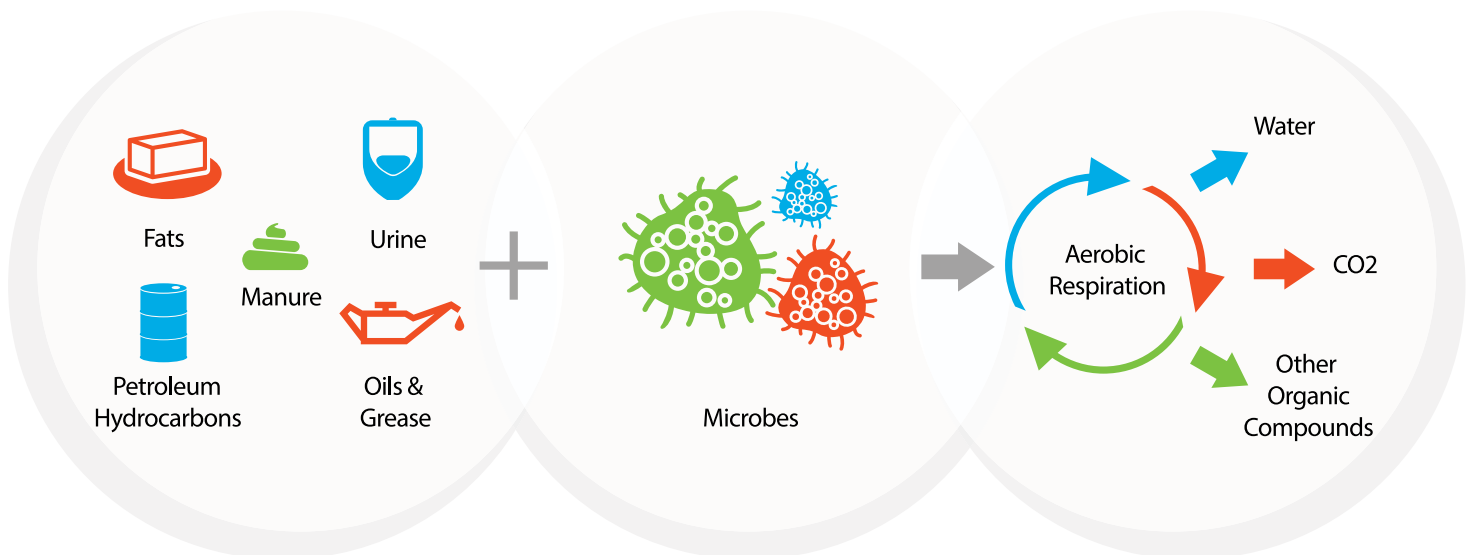
## A BIOREMEDIATION APPROACH...WHAT ARE MICROBES?

Microbes are one of the earliest lifeforms 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 non pathogenic and not harmful to plants, animals or humans (Level 5 is the most dangerous). They break down manure, fats, oils & grease (FOG), urine, petroleum hydrocarbons 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 products can be used in sinks, floors, drains, lift stations, compost, interceptors or grease traps where organic materials cause problematic or underperforming 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 lifecycle 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.

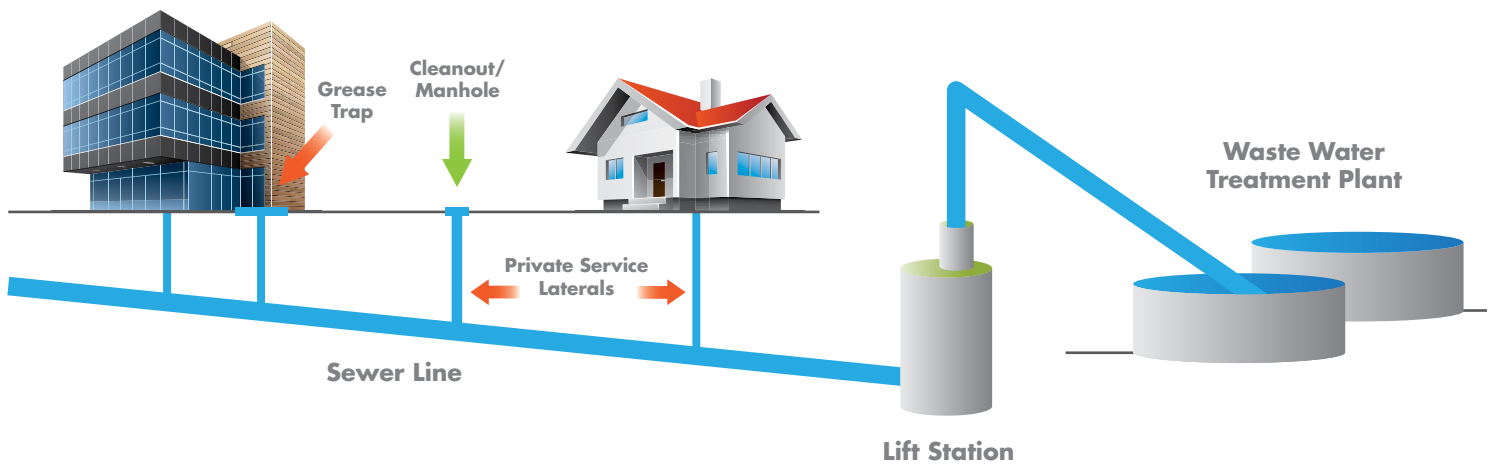
## THE KREBS CYCLE



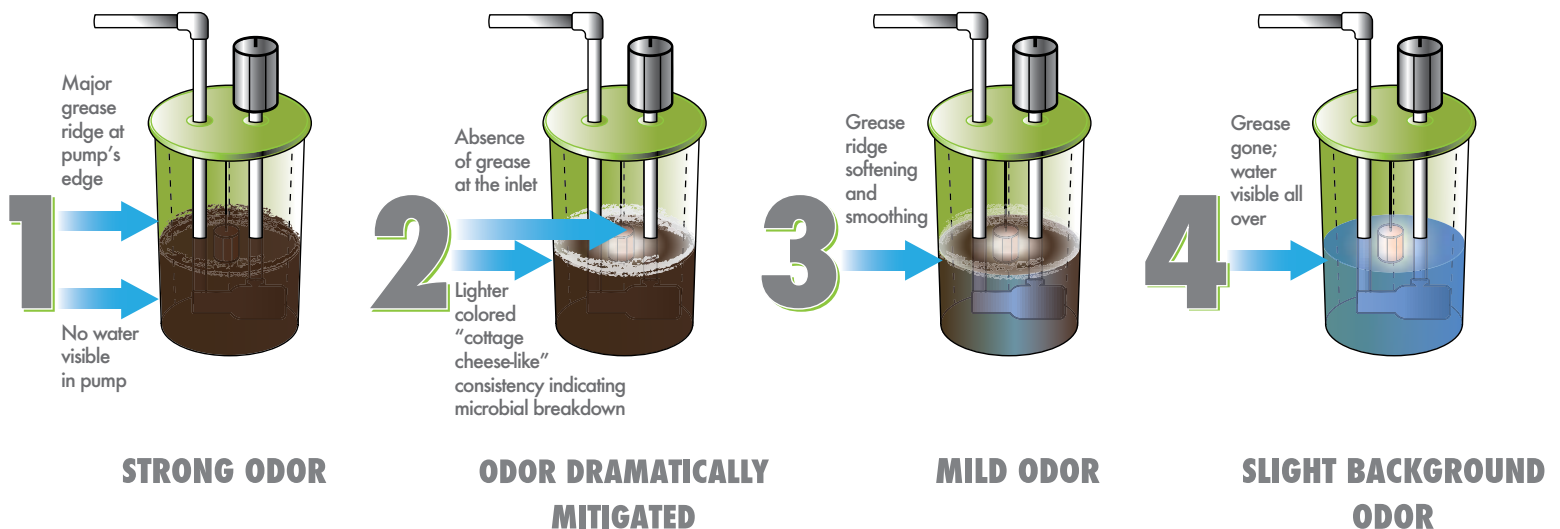
# WASTE WATER TREATMENT

Sewage collection and treatment is the process of collecting and removing contaminants from waste water and household sewage, both runoff (effluents), domestic, commercial and institutional. 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 roll in both sewage treatment and maintenance of the collection system.

## WASTE WATER FLOW



## SEWER EJECTOR TREATMENT PROCESS



## DRAIN CLEANING & MAINTENANCE

### WAXIE MicroDrain Cleaner Municipal/Industrial Strength Bioactive Drain Cleaner and Maintainer

WAXIE MicroDrain Cleaner is 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.

#### **Recommended for use in:**

- Commercial kitchens
- Municipal lift stations
- Grease lines
- City sewage
- Waste water treatment plants
- Sewage ejector



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

WAXIE Drainzyme HD Drain Maintainer is 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 (see WAXIE MicroDrain Cleaner).

#### **Recommended for use in:**

- Septic systems
- Drain lines
- Odor abatement



#### **Pro-Watch**

### Microprocessor Based Chemical Dispensing System For Grease Traps, Drains & Odor Control

This easy-to-use system stores up to 20 dispensing events per day, programmable by day, minutes or seconds. With the addition of the Misting Kit, Pro-Watch becomes an advanced chemical spray system designed to spray deodorizing or sanitizing mist in a variety of applications such as trash compactors, roll-a-way garbage bins and other trash depositories.

**WAXIE Bioactive Products liquify, digest organic & petroleum hydrocarbon waste!**

## SURFACE CLEANERS & DEODORIZERS

### WAXIE Liquid Microbes Professional Strength, General Purpose Bioactive Products

WAXIE 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.

#### **Recommended for use in:**

- General purpose odor removal
- Cleaning of restrooms, kitchens, offices, carpets, etc.
- And other applications



### WAXIE Fresh Mist Liquid Microbes

#### **Professional Strength, Hard Surface Bioactive Products**

*CACC Certified*

WAXIE Fresh Mist Liquid Microbes is a powerful hard surface cleaner with our most popular fragrance and a general purpose consortium of microbes concentrated to 220 billion units per gallon. Dilution: 1:8 to 1:16.

**Recommended for use in:** Cleaning floors, walls, tiles and fixtures

### WAXIE #330 Fresh Mist Liquid Enzymes Solution Station Dilution Control System Product High-Performance Odor Control & Degreasing

*CACC Certified*

Contains useful micro-organisms that digest and penetrate dirt build up, grease and grime. Product attacks malodors at their source. It is a concentrated, biodegradable, non-hazardous, environmentally friendly liquid. Dilution: 1:8 to 1:16.

#### **Recommended for use on a variety of surfaces:**

- Carpets
- Pet stains
- Trash bins and garbage containers
- Urinals
- Floor surfaces not harmed by water

#### **Recommended Equipment**

PDC SOLSTA Dispenser



## WAXIE Unbelievable Hard Surface Cleaner

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

WAXIE Unbelievable Hard Surface Cleaner is an all-natural and powerful cleaner & deodorizer designed for every day 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.

#### Recommended for use in:

- Commercial kitchens
- Hard surface cleaning
- Grout cleaning
- Urine saturated concrete odor removal
- Edible grease embedded surfaces
- And more!



## WAXIE CDC Chute, Dumpster & Compactor Cleaner

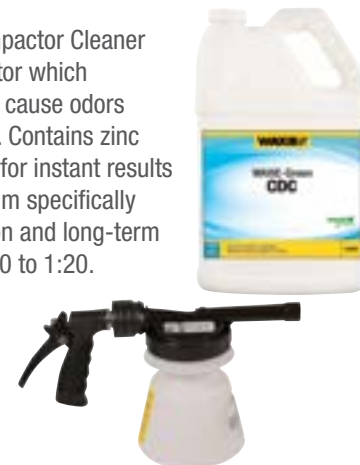
### Professional Strength Bioactive Cleaner for Trash Chutes, Dumpsters and Compactors

WAXIE CDC Chute, Dumpster & Compactor Cleaner is 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



## WAXIE Bio-Active Petroleum Cleaner

### Professional Strength Bioactive Cleaner for Petroleum Hydrocarbons

WAXIE Bio-Active Petroleum Cleaner contains select strains of microbes known for their ability to rapidly digest petroleum hydrocarbons including chlorinated solvents.

Dilution: 1:32 to 1:64.

#### Recommended for use in:

- Parking garage floors
- Mechanic's bays
- Bus wash stations
- Drain lines
- Oil separators
- Remediating small to medium size hydrocarbon spills



## WAXIE CSL Calcium, Scale & Lime Remover

### Specialty Non-Microbial Product

### Municipal/Industrial Strength Descaler

WAXIE CSL Calcium, Scale & Lime Remover is a non-corrosive acid with a pH less than 0.5 and 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 less than 1. Odorless, safe and very effective.

#### Recommended for use in:

- Hard water spot removal
- Descaling coolant towers
- Removing sprinkler overspray from windows
- Removing calcium/uric crystal buildup in pipes
- Rust remover



## WAXIE White Board Cleaner

### Safe and Non-Toxic, removes ghosting, grease and dirt from white boards

### Safe to use in schools or in the workplace

When ghosting, dirt, grime or grease impact the readability of your white board use non-toxic WAXIE White Board Cleaner to restore the performance of your white board. The convenient 8 ounce size fits on most white board trays.

#### Recommended for use in:

- Schools
- Workplace



## Use WAXIE Bioactive Products for the following applications & more!

	PRODUCT NAME
1	WAXIE Bio-Active Petroleum Cleaner
2	WAXIE CDC Chute, Dumpster & Compactor Cleaner
3	WAXIE CSL Calcium, Scale & Lime Remover
4	WAXIE Drainzyme HD Drain Maintainer
5	WAXIE Fresh Mist Liquid Microbes
6	WAXIE Liquid Microbes
7	WAXIE MicroDrain Cleaner
8	WAXIE Unbelievable Hard Surface Cleaner



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
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
Sewer Ejector Maintenance	7
Sidewalk Cleaning	1 5 8
Uric Crystal Remediation	3 7
Well Calcium/Lime Restoration	3

- Improve system performance
- Reduce maintenance costs
- An EPA recognized innovative technology
- Safe & effective

**Great for use in hospitals, restaurants, schools, office buildings, transportation facilities, casinos & more!**

PRODUCT NAME	FRAGRANCE	U/M	PACK	ITEM #
WAXIE Bio-Active Petroleum Cleaner	N/A	gallon	4/cs	030604
WAXIE CDC Chute, Dumpster & Compactor Cleaner	N/A	gallon	4/cs	410254
WAXIE CSL Calcium, Scale & Lime Remover	N/A	quart	12/cs	030610
		gallon	4/cs	030614
WAXIE Drainzyme HD Drain Maintainer	N/A	quart	12/cs	030837
		gallon	4/cs	030834
		5-gallon	drum	030832
WAXIE Fresh Mist Liquid Microbes*	Fresh Mist	gallon	4/cs	160116
WAXIE Solution Station #330 Fresh Mist Liquid Enzymes*	Fresh Mist	3-liter	4/cs	160115
WAXIE Liquid Microbes	Mango Plus	quart	12/cs	160730
		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 MicroDrain Cleaner	N/A	gallon	4/cs	030624
		5-gallon	drum	030625
		15-gallon	drum	030622
WAXIE Unbelievable Hard Surface Cleaner	N/A	gallon	4/cs	320214
		5-gallon	drum	320215

\* CACC Certified

ACCESSORIES	PACK	ITEM #
PDC SOLSTA Dispenser	each	321016
Dock & Dumpster Hose-End Hydro Foamer (48 oz.)	each	891207
50' Flexible Water Hose – Green	each	890350
Pro-Watch 510TMS Electric Misting Unit (for wet wells & lift stations)	each	030326
Pro-Watch II Battery Drip Unit (for grease traps & drain lines)	each	030327
Pro-Watch 510XT Pumping System	each	578120

## SCAQMD CLEAN AIR CHOICES CLEANER CERTIFICATION



SCAQMD's (South Coast Air Quality Management District) new "Clean Air Choices" voluntary certification program seeks to raise the profile of ultra-low-polluting commercial cleaning products in the marketplace.

Commonly used cleaning products are a source of volatile organic compound (VOC) emissions and contribute to the formation of smog. Such products include air fresheners, floor care products, all-purpose cleaners and degreasers, bathroom and tile cleaners, carpet and upholstery cleaners, automobile soaps, glass cleaners, and metal polishes/cleaners.

To become certified, a product must meet environmentally preferable qualifications including a VOC limit of 10 grams per liter or less and verification that no prohibited ingredients are present.