



PT-BIO1™

Flow Improvers



PT-BIO1 can be automatically dispensed into drains and septic systems using the Cloro-doser®
(See Cloro-doser Spec Sheet #S01005)

PT-BIO1™

Flow Improvers

DESCRIPTION

A concentrated liquid blend of fast acting grease and waste digesting bacteria and safe, biodegradable grease and soil removers used to eliminate drain line build up and control odors. Does not contain any acids, caustics, solvents or other harsh or harmful ingredients. **PT-BIO1** continues its grease-digesting action in grease traps and sewer lines and improves the performance of cesspools, septic tanks, and drainfields. The waste digesting bacteria biodegrade greasy matter enroute, preventing redeposition and problems such as interior (crown) corrosion and sewer gas formation. Safe for use in all types of drainage plumbing. Helps eliminate unpleasant odors from all types of surfaces and cures slow draining by breaking down and digesting fats, oils, grease, and other waste stream organics. USDA authorized for use in food processing plants. Certified Salmonella sp. free.

SIZES AND PACKING

STOCK NO.	SIZE	PACKING	WEIGHT/CASE
137301	1 qt.	12	30 lbs.
137303	1 gal.	4	36 lbs.
137304*	5 gals.	1	50 lbs.
137307**	15 gals.	1	133 lbs.
137308**	30 gals.	1	266 lbs.
137309**	55 gals.	1	483 lbs.

* Pail **Drum

PT-BIO1™

Spec Sheet #S00210

Flow Improvers

APPROVALS AND LISTINGS

USDA Authorized

SPECIFIC USES

Use **Cloroben PT-BIO1** to keep drains and grease traps open and free flowing, control odors in drain lines and disposal systems. May be used as a cleaner/degreaser/emulsifier for hard surfaces and during mechanical snaking.

SPECIFIC APPLICATIONS*

Cloroben PT-BIO1 works on household drains, disposals, grease traps, and sump stations. Safe for all plumbing. **PT-BIO1** solution may be used to digest the source of odors on surfaces in restrooms, loading docks, dumpsters, livestock areas, or public transit stations. It can also be used on fabrics or rugs to eliminate pet odors.

PHYSICAL PROPERTIES

Density:	8.4 lb./Gallon
pH:	7.0-7.5
Bacterial Count:	200 Billion/Gal. Minimum
Enzymes:	Primarily Lipase, Protease, Amylase and Cellulase
Bacterial Type:	Multiple Sporulating sp.
Function Range:	40-145°F., pH 5.0-9.8
Fragrance:	Spice
Appearance and color:	Opaque White Liquid

WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using this product.
- **Keep Out of Reach of Children.**
- Avoid contact with eyes, respiratory tract, and open wounds as irritation may occur.
- Avoid breathing spray, splash, and mist.
- Contains bacterial cultures and enzymes which may produce an allergic reaction in sensitive individuals.
- Avoid contact with food. Do not ingest
- Store in original container and keep lid closed.
- Dispose of container in accordance with local, state, and federal requirements.

DIRECTIONS FOR USE

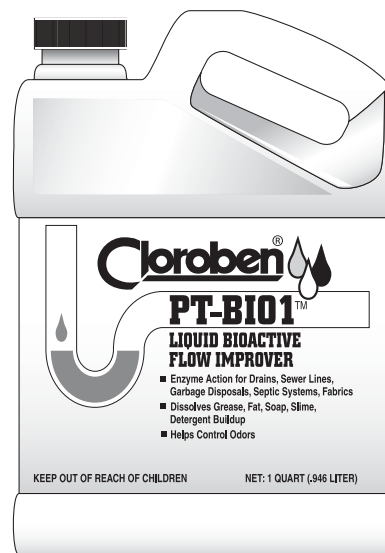
Slow Drains/Drain Odors- Mix 4 oz. of product with 8 oz. of warm water. Add the solution to the drain nightly until flow is restored and odors are gone, typically one to three applications every 24 hours. For best results allow to work overnight or at least four hours before resuming drain use.

SINKS/TRAPS- Dilute 3-4 oz. of product with 2 parts warm water and add to drain. Allow to work overnight before flushing through. Repeat weekly or as needed.

GARBAGE DISPOSALS- Add 6 oz. of product directly around the mouth of the disposal. Allow to work overnight, then flush with warm water. Repeat weekly.

SHOCK DOSING- For severely clogged slow running drains, increase dosages 2-3 times the preventative maintenance doses until lines flow freely. If line is completely stopped, it will be necessary to either use a strong caustic or acid cleaner or mechanically snake the line first.

LINE SNAKING- **1)** Blend 1 part product with 4 parts warm water. **2)** Begin using a mechanical snake while adding this solution to the line. The product's emulsifying action helps keep grease and sludge from redeposition on pipe walls for faster more complete cleaning. **3)** Flush out the line with hot water while still running the snake. **4)** Begin a preventative maintenance program.



MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST MATERIAL SAFETY DATA SHEET (MSDS) #210

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of www.cloroben.com
Mail	Contact Cloroben at address below or any Cloroben representative.

HMIS Hazard warning 1-0-0-B

INGREDIENTS

CAS#

Water based cleaner containing biodegradable surfactants and microbial spores.	
Alcohol Ethoxylate	68439-46-3
Alkanolamide	61791-31-9
Anionic Surfactant	28212-44-4

* For special applications which may not be covered on this or other Cloroben literature, please contact Cloroben Technical Services Department by phone at 1-800-221-9330 or send a fax to 1-800-333-3456.

PREVENTATIVE MAINTENANCE- Use 2 oz. of product mixed with 8 oz. of water weekly for every (2) household occupants. Treat a different drain each week.

COMMERCIAL PREVENTATIVE MAINTENANCE- Dispense product daily using 2 oz. for each inch of line diameter and 50 feet of drain line or use 4 oz. for every 100 meals served. For best results add before the longest period of non-use. Flush with warm water the following day. When adding manually into sink traps, follow with 1 pint of warm water to flush the product past the trap.

ODOR CONTROL- Dilute 1 pint per gallon in pressure sprayer. Use on rest room tile, dumpsters, garbage receptacles, loading docks, lift stations, public transit stations and other areas where waste odors exist.

Can be used with Cloro-doser® to automatically dispense upstream of grease traps or directly into sewage ejectors and drain lines. (See Cloro-doser Spec Sheet #S01005)



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ISO 9001: 2000 Certified

