

HYDRA



Bio Sewage Buster

Bacteria / Enzyme Treatment - Sewage Plant Equipment



HYDRA®

Features & Advantages

- ◆ Breaks down FOG's (fats, oil and greases).
- ◆ Contains Enzymes + 12 Bacteria Strains.
- ◆ Speeds Up Natural Bio Degradation
- ◆ Its non-pathogenic bacteria with additional free enzymes that breakdown waste far quicker than bacteria alone.
- ◆ Highly effective treats the type of wastes that are normally difficult to treat.
- ◆ For fast breakdown of all organic matter including, fats, vegetable oils and grease.
- ◆ Ideal treatment for sewage plants including pump stations.
- ◆ Faster breakdown of organic material results in reduction of harmful gases and flies, making the tanks cleaner and safer to manage.
- ◆ Helps biological treatment plants by reducing treatment needs.

Description

Prevents the Blocking

Small / Medium Diameter Sewers

Free from FOG Accumulations

Ensures Pump Control Systems, Level Probes remain operational.

Keeps Digesters

Free of Grease / Fats Build-up and Scum.

Hydra Bio Sewage Buster is designed primarily for application in pumping wells and sewers where fat, oil and grease (FOG's) are present in nuisance concentrations. The product contains selected bacteria and surfactants designed to give rapid and effective results.



Rapid Penetration

Low foaming surfactants penetrate and help break up the waste material to maximise biological degradation.

The results are free flowing pipes, cleaner lift stations and reduced odours.



Hydra Bio Sewage Buster only contains the appropriate micro-organisms suited to such operating conditions under which they produce the enzymes systems essential to the FOG degradation process.

This bacteria rapidly builds up a bio-film on pipe surfaces and walls that continue to release the required enzymes which break down the FOG's in a biological chain reaction that continues until all the organic material has disappeared.



Description



Enzymes released by Hydra Bio Sewage Buster Bacteria initiate a chain reaction that continues until complete sewer cleanout is achieved.

Cleans and prevents future blockages in small to medium diameter sewers by creating a bio film on the inside surface of the pipe work.

Hydra Bio Sewage Buster includes just the right kind of bacteria to effectively treats waste from food processing factories by accelerating the natural decomposition process of the organic waste that has solidified making the degradation process difficult.

Because Hydra Bio Sewage Buster contains multiple bacteria strains plus enzymes that breakdown waste far quicker than bacteria alone.

Faster breakdown of organic material results in reduction of harmful gases and flies, making the tanks cleaner and safer to manage.

It is the best product of its kind for the fast breakdown of organic matter, fats, grease and food production waste.



Its biodegradable surfactants allow rapid penetration of the product for maximum biological action.

Keeps level probes, pump control systems free of FOG deposits.

Reverses the harmful effects of acidic/caustic cleaning agents and restores the natural biomass inside the system.

Highly effective treats the type of wastes that are normally difficult to treat.



How To Use

Sewers			Treatment Plants		
Flow Rate	Initial Dosage	Maintenance**	Flow Rate	Initial Dosage*	Maintenance**
< 100m ³	500g per week	250g week	< 1,000m ³	7kg day	250g day
< 250m ³	500g x 2 week	500g week	< 2,300m ³	12kg day	500g day
< 500m ³	500g every other	500g x 2 week	< 5,000m ³	25kg day	1kg per day
< 1,000m ³	500g day	500g x 3 week	< 25,000m ³	2.5kg per 1,000m ³	0.5kg/day per
			< 50,000m ³	2kg per 1,000m ³	250g/day per

Spread this initial dosage out over the course of 10 days.

** Add as regularly as possible. If it is required to miss one day, add that day's product with the next dosage. Dosage rate will vary with flow rates, retention times and system variations. The rates above are for a typical, well maintained system.

Laboratory Facilities

Hydra International Ltd.'s Research & Development Laboratories are a hub of activity where new products are developed and formulated. We have working relationships with our raw material suppliers, many of these suppliers are major world-wide chemical manufacturers with their own development laboratories.

As a company we are well known in the chemical industry for being receptive to cutting edge new chemicals which can be incorporated into our products to achieve performance advantages. An important part of the International Standards that we hold is that of constant improvement. We show that we have achieved this at every independent audit.



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