

HYDRA BIO START



Enzyme Bio Start-up For Sewage Plants



HYDRA®

Features & Advantages

- ◆ Improves the efficiency of large or small sewage plants.
- ◆ Ideal for use as a start up treatment product to ensure fast and proper breakdown of organic material.
- ◆ Clears up accumulated blockages.
- ◆ Prevents formation of blinding screens.
- ◆ Bad odour and flies are controlled as a result of clear, fast flowing and suitably treated waste.
- ◆ Speeds up the process of degrading organic material.
- ◆ Extensive metabolic capability.
- ◆ Very low phosphate content.
- ◆ High emulsification properties.
- ◆ Includes Pseudomonas and Bacillus spores.
- ◆ Eco friendly, completely biodegradable homogenous powder. Easy to use, simply put inside the tank.
- ◆ Speeds up the process of degrading organic material.

Description



Bio Start is an eco friendly and efficient biological treatment that is ideal to use at the time of commissioning of sewage treatment plant.

The bacteria included in the product quickly colonises the plant, giving it head start for efficient organic waste treatment.



Bio Start aids in the proper functioning of the system even during extreme weather conditions by restoring important biological activity of the microbes inside the plant.

Bio Start when used at the time of commissioning of the treatment plant, quickly colonise the system to give fast and effective action upon the waste material.



Hydra Bio Start aids in:

- Achieving rapid biomass.
- Boosting the activity of existing biomass.
- Initial Start-up: Bio Start gives visible results, within 48 hours, if used at the time of commissioning of the plant.

Under extreme weather conditions when good bacteria die off, the selected strains of bacteria present in the product restore the required biological action.

The Solution

The product contains naturally occurring microbes in optimum number to give you rapid growth of bacteria as well as sewage treatment. The bacteria included in Bio Start are not genetically modified that produce various enzymes such as protease, lipase, cellulose, and amylase.

The product also includes minerals, micro-nutrients and trace elements. The perfect combination boosts growth of micro-organisms. This action rapid accumulation of bio mass. The activity of existing biomass is also enhanced in the process.

Bio Start Is completely biodegradable and homogeneous.



The fast-growing micro-organisms in Bio Start rapidly establish an effective biomass.

This product also boosts the activity of any existing biomass.

Bio Start will also improve performance of the system in extremes of weather. When the plant is malfunctioning Bio Start will restore the necessary biological activity.

How To Use

Initial Start-Up

By using Bio Start on commissioning the plant the microbial population will rapidly colonise the system (results are seen within 48 hours).

This enables the system to work faster and more effectively.

Dilution Rate

Use 1 kg/m³ of Bio Start in the primary tank of size 1m³ to 5m³.

Use 0.75/m³ of Bio Start for the tank size of 10m³+

Add Bio Start into the primary tank.

Higher temperatures, but not exceeding 45°C enhance the performance of the product.

At lower temperatures, the bacteria do not die off although the speed of organic waste degradation may slow down.



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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