

# HYDRA BIO WASTE 500



Bacteria / Enzyme Treatment - Food Processing Plants



# HYDRA®

## Features & Advantages

- ◆ BREAKS DOWN: Carbohydrates (starches), Cellulase, Greases, Fats & Oils.
- ◆ 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 organic matter, fats, grease and food production waste.
- ◆ 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.
- ◆ Enables easy emptying of the tanks by vacuum tanker.

## Description



Organic waste is made up of carbohydrates, proteins, fatty materials and fibres, which solidify making it difficult to liquefy and reduce them.



These insoluble solids and suspensions are particularly difficult to break down. As a result, the solid build up and cake must be liquefied outside the bacterial cells and through the action of enzymes segregated by special bacteria.



Bio Waste 500 is a mixture of aerobic and anaerobic bacteria necessary for the molecular metabolism of the organic waste.

It works as a biological activator that breaks down the residual organic matter by enzymatic means. In essence, a biological chain reaction begins that can continue until all the organic material has disappeared.





## Description

Hydra Bio Waste 500 includes just the right kind of bacteria to effectively treat 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 Waste 500 contains multiple bacteria strains plus enzymes it is the best product of its kind for the fast breakdown of organic matter, fats, grease and food production waste.



Contains 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.

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



## How To Use

### Slurry Waste

#### How To Use

Add 1 kilo Hydra Bio Waste 500 into the tank.

Repeat daily until the 8x1 kilo pack has been used.

For large storage systems stir, spread or mix over the tank surfaces.

Avoid if possible sending large amounts of acids or alkalis into the system. Temperature enhances the action of Bio Waste 500 as long as it does not continually exceed 46 °C. The lower the temperature, the lower the speed with which the waste is broken down.

### Aeration

By adding air to your system you can greatly increase the natural breakdown of organic matter by a factor of 10-20 times.

Hydra manufacture an aeration system ideal for this application it is called the Hydra Septo-Air Conversion Unit which is available in different sizes details at <https://www.hydra-bio.com/>

## 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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