

## BT-323

Triple action approach to treating Industrial  
& Mining Waste Water Systems.

**Suitable for**

- Hydrocarbon Reduction
- SBRs
- BNRs
- RBCs
- DAFs
- Insitu Desludging
- Anaerobic Systems
- General Waste Water Treatment
- Reticulation Networks



## How does it work?

**BacTech 323** contains high concentrations of patented powerful bacteria, oxygenation agents and an amino acid pre-biotic, designed to digest hydrocarbons, surfactants and ammonia.

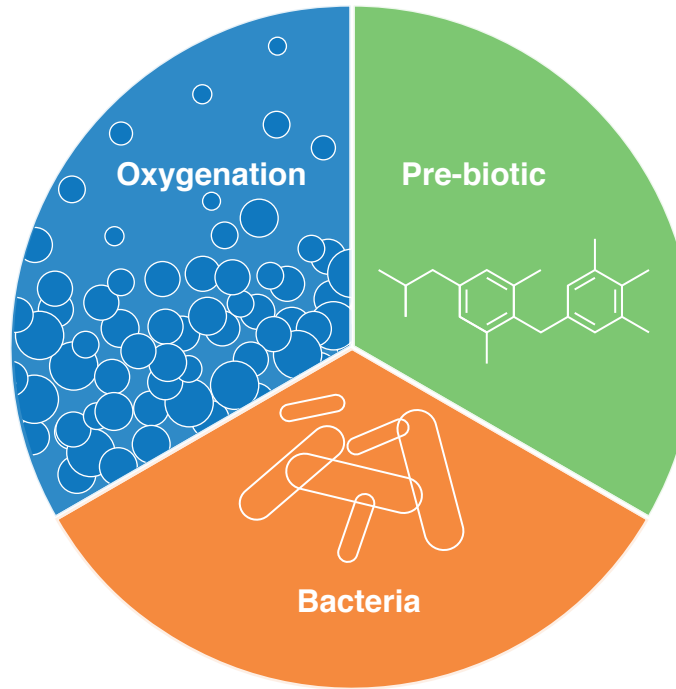
Working from the bottom up, Bactech 323 releases oxygen, buffers and bacteria throughout the body of water.

- Oxygen bubbles 20 times smaller than mechanical aerator
- Each satchet contains 1 billion plate count of bacteria per gram
- Each satchet releases 55 litres of dissolved oxygen
- The bacteria cells duplicate every 20 minutes
- Able to repeatedly seed first generation bacteria giving existing systems a boost

Bactech 323's blend of ingredients are proven to increase bacterial growth and enhance water quality.

Regular use of Bactech 323 will increase the waste water treatment system's efficiency and provide benefits such as the removal of noxious odours and foaming, reduce sludge production, reduce hydrocarbons, surfactants and ammonia, increase settlement and provide a better quality effluent, overall reducing the operating cost of the system.

Bactech 323 is a proven, cost effective and environmentally friendly solution for wastewater treatment. It will not harm fish or other aquatic life. It comes in 250g soluble bags that dissolve easily and safely on contact with water negating the need for costly infrastructure spending.



- Aeration**  
A combination of minerals and safe chemicals that react with water and result in rich super-saturation of oxygen
- Amino Acid Complex**  
A proprietary broad-based blend of natural trace minerals and amino acids. It acts as a pre-biotic and is designed to balance the trace minerals that are lacking in waste water.
- Bacteria**  
A patented blend of Bacillus and Pseudomonas bacteria specifically designed to rapidly digest hydrocarbons.

## Active Ingredients

### Pre-biotic

The proprietary, Ultra-Concentrated Trace Mineral/Amino Acid complex in Bactech 323, works as a pre-biotic and bio catalyst for enzyme and co-enzyme production, elements typically lacking in standard waste.

### Bacteria

The patented bacteria digest hydrocarbons, surfactants, ammonia, organic matter, reducing suspended solids, sludge, BOD, COD, FOG and other pollutants.

### Oxygenation

Oxygenation agents dissolve over a 3-4 hour period and provide bubbles of Oxygen 20 times smaller than what is capable through mechanical aeration. This helps create the perfect micro-environment for the germination of bacteria as well as providing a dispersion pathway throughout the water column.

### Benefits realised\*

- Up to 90%\* reduction in Biological oxygen demand (BOD)/ Chemical oxygen demand (COD)
- Up to 90%\* reduction in dissolved H<sub>2</sub>S and atmospheric sulphuric acid
- Up to 90%\* reduction of insitu sludge
- Mass reduction of hydrocarbons, surfactants and ammonia.
- Mass reduction of nutrients including phosphorus and nitrogen
- Stabilisation of pH  
Lower polymer costs
- Mass reduction of suspended solids & sludge production
- Increase settlement
- Reduction of ammonia
- Elimination of fats, oils and grease
- Reduce corrosion and extend the life of equipment

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Or visit our website: [www.bactech.com.au](http://www.bactech.com.au)

\* This is indicative only and results may vary from system to system.