

Bacterial Treatment GP 1075



GP-1075 is a specially formulated microbial product designed to provide the effective bio-degradation of soaps and detergents in aerobic biological waste water treatment systems.



**GP 1075 IS PART
OF THE GREEN
PROCESS RANGE**

**A range of fully
biodegradable
environmentally
friendly products**

HOW GP-1075 WORKS

The surface active characteristics of soaps and detergents causes foaming which often results in the carry-over of biomass which is then lost from the bioreactor. By using a selected formulation such as that of GP-1075 it is possible to prevent the formation of foam and provide a seeding culture of bacteria already acclimatised to the components of the waste water.

Oxygen transfer efficiency is reduced by up to 20% by surface active agents. This may result in substantially higher energy consumption and operating costs.

Many soaps and detergents are formulated so as to have bactericidal properties. On occasions when 'slugs' do find their way into the plant, the biomass of the treatment plant will be inhibited or suffer a partial or complete kill. By using GP-1075 it is possible to maintain a stable biomass with a high resistance to such toxicity

The presence of soaps and detergents may result in a poor settling sludge. The bacteria present in GP-1075 are good floc formers & therefore help to produce a sludge with good settlement characteristics.

Benefits of GP1075

- Rapidly establish an effective biomass in aerobic waste water treatment plants receiving effluents which contain high levels of soaps and/or detergents.
- Reduce the operational problems that are associated with the reduction in the rate of oxygen transfer in plants receiving high inputs of soaps and detergents.
- Rapidly degrading the surface active compounds, improved oxygen transfer and hence performance will result in reduced operating costs.
- Increase BOD / COD removal efficiency resulting in a higher quality of final effluent.
- Assist in maintaining a sludge with good settlement characteristics.

**For more information please contact us directly on
08456 432 900**

The GP-1075 formulation has been successfully used in all forms of aerobic, biological and waste water treatments where bacteria provide the essential oxidative function.