

ACTIFLUID



Use to boost existing bacterial activity in wastewater stations, sludge and settling tanks and increase the biological activity of activated sludge.

Action

SYMBIO ACTIFLUID works **physically** by absorbing organic molecules, detergents, hydrocarbons, halogens, cresol, phenol, chlorophenols, organic dyes etc. and **biologically** by introducing a broad spectrum of microbes designed to degrade the organic matter found in most waste streams. Use with products from our 200 series to degrade complex organics.

Application

Apply direct to the inlet of the aerated section of the waste treatment plant..

Composition

A biofixation containing specially selected microorganisms, plus small amounts of nutrients, trace elements, activated carbon and silica

Maintenance

When a stable mass has been achieved the maintenance dosage depends upon the nature of the effluent, efficiency of the system and the required effluent quality. The usual requirement is 10-30 gms per m³ of outflow per day. Trials over a period of time encompassing a variety of operating parameters and nutrient loadings are usually required to determine the most economical and effective dosage. Symbio's technical service team will be pleased to advise.

Dosage rates

To improve sludge compaction	5-50 gms per m ³ of aeration tank
Scum prevention	10-30 gms per m ³
Discolouration of water (by printers ink etc.)	10-30 gms per m ³ of settling tank
To reduce foam in aeration tanks	20-50 gms per m ³
To degrade complex organics e.g. hydrocarbons, phenol, cresol, chlorophenol	30-70 gms per m ³ of settling tank + specific microbes from the Symbio 200 range as required.

Safety

The microorganisms in Actifluid conform to EC EFB Class1. This class contains microorganisms which have never been described as causal agents in human illness and which pose no threat to the environment.