



BACSAN

Industrial Strength Water Purifier

Bacsan is the most concentrated of the range of chemical products distributed by Water Development Program. It is a liquid and supplied in 25 litre high impact drums for bulk applications. No toxic or harmful by-products are formed in the purification process. Depending on the quality of the water being treated, the ratio at which Bacsan Solution is dosed into the water can vary from 1:1000 to 1:500000 litres.

The active ingredients of Bacsan solution form a precipitate as they react with bacteria, algae and dissolved solids etc, and therefore become used up. Dosing should be carried out in such manner as to achieve optimum residual levels of active ingredients once the initial precipitation reaction has taken place. The maximum copper and silver ion concentrations of 1.00mg/l and/or 0.05mg/l respectively should not be exceeded. The dosage of this ionic solution needs to be properly assessed, designed and maintained as part of an overall water treatment programme.

Product Functions

- a. Algicide.
- b. Removes and disinfects the biofilm which forms in pipes, canals and water systems without causing corrosion.
- c. Prevention of infection of water systems by water born bacteria such as legionella, yersinia, shigella, salmonella, cholera and coliform bacteria.
- d. Disinfection of water systems contaminated by water born bacteria such as legionella, yersinia, shigella, salmonella, cholera and coliform bacteria.

Usage and Dosage Guidelines

Treated water which is potable but where there is a build up of biofilm in the pipes, canals and reservoirs or where there is a risk of bacterial or algal infestation; 1 litre of Bacsan per 150000

litres of water to be dosed directly into the flow via dosing pump.

Use in conjunction with existing treatment methods such as chlorination or Ozone treatment will result in significant reductions of total costs due to the synergy between the different methods, as well as considerable reductions in chlorine residual content in the treated water; 1 litre of Bacsan per 200000 litres of water to be dosed directly into the flow via dosing pump.

Untreated water with a total dissolved solids (TDS) content of less than 500 mg/l and a total bacterial count of less than 40000 per 100ml; 1 litre of Bacsan per 100000 litres of water to be dosed directly into the flow prior to entering clarifiers or settling tanks, via dosing pump.

Untreated water with a total dissolved solids (TDS) content greater than 500 mg/l or a total bacterial count greater than 40000 per 100ml; 1 litre of Bacsan per 75000 litres of water to be dosed directly into the flow prior to entering clarifiers or settling tanks, via dosing pump.

Once the above dosages have been applied the treated water needs to be reassessed to establish if the desired result has been achieved and the dosage is then to be altered accordingly. Both the treated and the raw water must be assessed on an ongoing basis as the raw water quality may fluctuate and therefore necessitate the dosage ratio to be altered accordingly.