



Clearwater Flocculant

Product Technical Data Sheet

Product Code: 22-CLEFLOCSTD-20

Uses and Applications

Clearwater Flocculant is used as a flocculant in water and waste water treatment processes to remove dissolved organic matter and colloidal particles present in suspension. Suspended particles such as soil (muddy water), planktonic algae and other organic particles are removed from the water column leaving it clearer. Clearwater Flocculant introduces an opposing ionic charge to the suspended particles causing them to clump together and sink to the bottom. Clearwater Flocculant also effectively binds and sinks phosphorus from the water column making it unavailable for algal growth.

Clearwater Flocculant is most effective over a pH range of 5.0 – 8.0 and is safe for fish, wildlife and aquatic plants when used at the appropriate dose rate. It can be used in dams, ponds, lagoons and virtually any water body experiencing problems with excessive phosphorus, cloudy or muddy water.

Ingredients

Clearwater Flocculant is a custom blended highly charged inorganic polymer with an alum base. It consumes considerably less alkalinity than traditional alum products meaning that it doesn't have the same risk of sudden pH drop and associate requirement for pH adjustment before or after use that is common in traditional alum products.

Dose Rates

The following dose rates are guidelines that may need to be increased or decreased according to individual conditions such as soil type, algae type or volume of suspended material. More accurate dose rates can be established by onsite testing. It is recommended to have extra product on hand when treating in case a higher dose rate is required.

Suggested Dose Rate for Large Water Bodies - Dams, Lagoons etc.

20 litres per megalitre (million litres)

Suggested Dose Rate for Small Water Bodies - Fish ponds, water features, stock troughs, water tanks etc.

10ml per 1000 litres.

How to Apply

First dilute with 5 to 10 parts of fresh water to 1 part Clearwater Flocculant then spray or pour over the entire surface area of water. Thorough mixing and circulation is then required by pump, aerator or motor boat so that the product has contact with the suspended particles in the water. After a period of mixing small pinhead particles will become visible and then increase in size to match head sized particles. At this point mixing should stop to allow the particles to settle overnight. Repeat the process if required. Good initial coverage and thorough mixing will result in faster, better results and less product used. Good results can still be achieved without thorough mixing but more product may be required.