



DamClear Clarity Aid PA

Product Description

DamClear Clarity Aid PA is a water clarification aid which is applied to water contaminated with finely suspended solids such as clays and sediment.

DamClear Clarity Aid PA is supplied as a liquid solution and is available in pack sizes of 1 Litre & 5 Litre bottles, and either 20 Litre or 200 Litre drums.

Product Features

- Low dose rates ✓
- Reduces nutrient & phosphate levels in dams ✓
- Removes colour & tannins from natural waters ✓
- Removes organic matter from natural waters ✓
- Excellent clarification aid for a large range of food and industrial wastewater applications ✓

Typical Applications

DamClear Clarity Aid PA is used for clarification of water on civil construction sites, for truck wash recycle water, for mine water dams and for colour removal from water contaminated with tannins and organic matter.

Tannins and clays such as bentonite and montmorillonite, which are classified as swelling clays, are very stable when dispersed in water. Left untreated they may take many weeks to naturally clarify. Similarly, water contaminated with ultrafine and colloidal clays can also be very slow to clarify. DamClear Clarity Aid PA rapidly clarifies difficult to treat turbid and coloured water.

This product is not suitable for applications that are environmentally sensitive unless applied in a controlled manner with an automated pH control system. The treated, clarified water, will in most cases be suitable for direct discharge to sewer.

- **Construction Sites**
Clarification of truck wash water in water recycle systems, and for clarifiers and solids settling tanks.
- **Trade & Industrial Waste Treatment**
Suitable for clarification of trade waste and industrial wastewater in food and non-food processing applications. Suitable for use in Clarifiers and Dissolved Air Flotation systems.

Application Instructions

DamClear Clarity Aid PA should be diluted prior to use to about 1/10. Apply to application or process by drip feed or preferably with a suitable chemical metering pump.

DamClear PA should be added at a controlled rate into a feed water pipe or into a recirculating water flow at appropriate rates. Dilution water is best added after the metering pump and prior to injection into the process stream.

DamClear Clarity Aid PA is effective at application rates of approx. 10-150 mg/L of water (i.e. 10-150 kg per million litres). In many applications a minimum or "threshold" dose is required, i.e. a certain amount of product must be added before any benefit is seen. Once the threshold dose is attained water clarity improves with increasing dose rate.

Determine application rate or quantity required before application using jar tests on 500 mL samples of water. Do not overdose, and monitor water pH and maintain between 6.5-7.5 for best results. Free water test kits are available from Environmental Warehouse.

DamClear Clarity Aid PA may increase water acidity and this should be taken into account before using this product.

Option - Use with DamClear Floc Blocs

For applications where water clarification needs to be completed quickly, use DamClear Clarity Aid PA with DamClear Floc Blocs. This is a two step treatment process, where the water is first treated with Clarity Aid PA and then with Floc Blocs. This will result in fast solids settling rates of up to 5 metres per hour, and complete water clarification within a few hours.

Product Handling & Storage

Wear gloves, eye protection and suitable protective clothing when handling. Store in a cool, dry area. Protect against physical damage. Keep containers sealed when not in use.

Refer to MSDS before using this product. The MSDS is available from our website, www.enviowarehouse.com.au