

DamClear Clarity Aid CL

Product description

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

Clarity Aid CL is a liquid product and comes in 20 litre and 1,000 litre IBC's.

Product features

- Safe for fish
- Very low aquatic toxicity
- Fast acting
- Does not alter water pH

Typical applications

DamClear Clarity Aid CL is used for clarification of water on construction sites, in storm water retention ponds, mine water dams, farm & stock dams, and irrigation dams.

Clays such as bentonite clay (a swelling clay), can be very stable when dispersed in water. Left untreated, these clay dispersions may take many weeks to settle on their own. Similarly, water contaminated with ultrafine and colloidal sized particles will also take many weeks to settle. Addition of DamClear Clarity Aid CL helps destabilise these small particles leading to larger flocs, which in turn helps to rapidly clarify these difficult to treat turbid waters.

Clarity Aid CL is suitable for applications that are environmentally sensitive. The resultant clarified water will in most cases be suitable for discharge to rivers and streams.

• Construction sites

Clarification of storm water on building sites, and commercial & residential developments.

• Road construction

Clarification of storm water run-off in sediment retention basins for road, rail & tunnel construction.

• Dam water

Clarification of clay contaminated river and dam water for livestock, irrigation and horticulture, and for aesthetic improvement.

Application instructions

DamClear Clarity Aid CL should be diluted by 1/10 and then applied to the dam water either by:

» Surface spray

Spray required quantity evenly over dam surface & leave undisturbed for 24 hours. A firefighting pump or similar is ideal for surface spraying.

» Drip feed or metering pump

DamClear can be added at a controlled rate into dam feed water pipe or into a recirculating water flow by drip feed or metering pump.

Application rates are about 100–300 ppm (100–300 litres per million litres). Usually a minimum dose is required before any benefit is seen. Once the minimum dose is attained, the water clarity should improve with an increasing dose rate. Do not overdose.

We recommend undertaking jar tests first to determine the most suitable dose rate of Clarity Aid CL before application to the dam.

DamClear Clarity Aid CL will increase water salinity dependent on the dose rate, and this should be considered before using.

Option - use with DamClear Floc Blocs

For applications where water clarification needs to be completed quickly, use Clarity Aid CL in conjunction with DamClear Floc Blocs.

This is a two-step treatment process in which the water is first treated with Clarity Aid CL then passing the resultant mixture over Floc Blocs. This should provide solids settling rates up to 5 metres per hour, allowing water clarification within a short time frame.

Handling and storage

Read the DamClear Clarity Aid CL Safety Data Sheet (SDS), including Section 7 and 8 before handling. Wear safety glasses and suitable gloves when using.

DamClear Clarity Aid CL has a 2-year shelf life in unopened containers when stored at a stable temperature between 5–30°C. When not in use, keep containers closed and do not store in direct sunlight.