



GRT: CC Technical Data Sheet



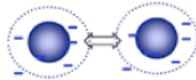
Coagulant Clarifier for sediment ponds and dams

GRT: CC is a polymeric coagulant that works to clarify suspended colloid particles in sediment ponds and dam water. Often these ultra-fine suspended solids will not settle on their own because the negatively charged surfaces repel each other to continue to suspend the particles. How **GRT: CC** works:

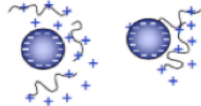
Coagulation :

Screening of ionic charges by compounds of the opposite ionic charge in order to cancel the repulsive forces stabilizing the colloids in suspension

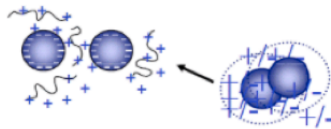
Stable colloids



Unstable colloids



Micro flocs formation



Application Instructions:

- Note:** Read this TDS in conjunction with GRT: Liquid-Floc TDS and the instructions around water testing
- GRT: CC** is a viscous liquid and requires good mixing to dissolve and function at optimum performance. Care should be taken to ensure that dose levels are optimised through a settling test and volumes of water are estimated as accurately as possible.
- GRT: CC** can be dissolved in water initially at a higher concentration then distributed evenly over the surface of a water body with a spray unit or injected into a circulating stream of water. The body of water should then be re-circulated using an appropriately sized pump to turn the water over at least once in 24 hours.
- Dose rate should be between 2 – 8 ppm using 5L / 1 million Litres of water as a starting point. Higher concentrations will settle faster with less clarity, whilst lower concentrations will settle more slowly with better clarity.
- Clarity and speed of settling can both be improved with a combination of **GRT: CC** and **GRT: Liquid-Floc**. Please ask your local GRT representative for assistance in matching your clarifying needs with product requirements.

Handling & Storage:

Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke. Take precautionary measures against static discharges. Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

KEY BENEFITS

- **Clarifies murky water fast**
- **Does not alter pH** of the water, unlike PAC or Alum.
- **Easy to handle** as liquid, unlike Gypsum
- **Super concentrated** - 5 litres treats 1 million litres of water (in comparison, gypsum may require 500kg or more)
- **Readily dissolves** in water
- **Can be used in conjunction with GRT: Liquid-Floc** for faster settling with higher clarity.



Quality Assured

GRT's quality management system is certified to ISO 9001 standards, and our products are approved and used by Industry leading companies, worldwide.

