

COLOUR REMOVAL CHEMICALS & COAGULANTS

Colour is often caused by dissolved organic matter, forms or organic content that can cause colour pollution include synthetic chemical dyes, algae species and natural dissolved organics such as lignin and tannins. It can also be a result of impurities of minerals such as iron and manganese. The colour level can often be a good indicator of the organic content of water. Envisol presents **EnviCLR** range of specially developed colour removal agents for colour and dye removal applications.

EnviFLOC coagulants are based on polyacrylamide co-polymers providing the complete range of ionicities and molecular weights necessary to meet optimal performance for each applications. Our polymers are available in solid, emulsion and liquid forms. They can be used alone or in combination with aluminium base inorganic coagulants, providing a consumption reduction of 30-60%, dramatically reducing coagulation times, not only succeeding in reducing the treatment cost but also reducing the volume of the treated sludge and their disposal cost.

FEATURES

- Process and product know how to resolve water quality problems
- Improved water quality with lower turbidity and colour
- Reduces fouling by solids, organics, microbiological materials and colloids
- Increased settling rates, reduced sludge volume
- Improves performance of scale inhibitors
- Available in liquid form
- PH value (30% solution) in the range of 3-6
- Storage temperature in the range of 10-30°C

APPLICATIONS

- Colour removal in textile, paper, pigment, printing and dyeing industries and light colour liquid from other industries

POLYELECTROLYTES

Envisol presents **EnviPolan** series of Anionic and Cationic Polyelectrolytes for a wide range of applications from water treatment to waste water treatment, mainly used for effluent treatment of inorganic suspended solids. By neutralizing the electric charge of sludge particles, these electrolytes promote flocculation effectively.

FEATURES

- Economical to use
- Effective at very low dosage levels
- Perform well over a wide pH range
- Improve throughput and cake solids
- Achieve high solids capture
- Easily sealable in water
- Dry product minimizes storage requirement

APPLICATIONS

- Effluent treatment of inorganic suspended solids found in chemical, fishery, food, textile, dye, other effluent water, mining and coal washing waste water, metal processing, etc.
- Water & waste water clarification
- De-watering of sludge

COLOUR REMOVAL CHEMICALS & COAGULANTS

| NAME | DYE TYPE SUITABILITY |
|--------------|--------------------------------|
| Envi CLR1102 | DCDA medium concentration |
| Envi CLR2102 | DCDA high concentration |
| Envi CLR3102 | Polyamine medium concentration |
| Envi CLR4102 | Polyamine high concentration |
| EnviFLOC | Coagulant |

POLYELECTROLYTES

| NAME | PROPERTIES | DYE TYPE SUITABILITY | FORM |
|--------------|-------------------------|--------------------------------------|--------|
| EnviPolan 12 | Anionic Polyacrylamide | Anionic PAM, lower molecular weight | Powder |
| EnviPolan 22 | Anionic Polyacrylamide | Anionic PAM, medium molecular weight | Powder |
| EnviPolan 32 | Anionic Polyacrylamide | Anionic PAM, higher molecular weight | Powder |
| EnviCaton 32 | Cationic Polyacrylamide | Cationic PAM | Liquid |

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