

BETAGARD 4050

ORGANIC COAGULANT

Description

BETAGARD 4050 is a concentrated liquid of low molecular weight, cationic polydiallyl dimethyl ammonium chloride or POLYDADMAC which functions effectively as primary coagulant or coagulant aid in water or wastewater clarification. It is chlorine-resistant and effective over a wide pH range, and can substitute or be used in conjunction with inorganic primary coagulants such as alum and ferric salts. The maximum recommended concentration of BETAGARD 4050 in the treatment of potable water is 20 ppm. BETAGARD 4050 is also recommended for other liquid-solids separation processes, such as:

- Dewatering a wide range of industrial and municipal sludge;
- Removal of suspended solids from wastewater;
- Gravity settling;
- Filtration;
- Centrifugation;
- Air floatation;
- Separation of oil and water;
- Color Removal.

Properties

Appearance	Clear colorless to yellow liquid.
Specific Gravity	1.02 - 1.07 @ 20°C
Ionic Charge	Very High

Dosage and Feeding

Clarification : 1 – 30 ppm
Floatation : Up to 20 ppm
Sludge Dewatering : 5 - 40 kg per ton of dry solids.

Actual dosage should be determined in laboratory jar test. For best performance results, BETAGARD 4050 should be diluted with clean water and metered continuously to the system using corrosion-resistant positive-displacement pump.

Handling and storage

BETAGARD 4050 is moderately corrosive to aluminum, iron and copper, including their alloys. Storage and feeding equipment preferably be constructed of plastic or FRP. To maintain the polymer activity, storage temperature should not be higher than 38° C. Spill of BETAGARD 4050 can be readily flushed with copious amount of water.

Packaging

In plastic container with a net weight of 25 kg, 200 kg

BETAGARD

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