

<u>Product Information:</u> <u>Name of Product: BRTREAT 6150 PLUS</u>

Description

Polyamine based coagulants are synthesized for colour removal, turbidity, and organic compounds from dye wastewater. Polyamine based coagulants work better than alum alone. The effects of polyamine coagulant, concentration, types, and pH on the removal efficiency of coloured materials were investigated.

Highly efficient colour removal was obtained by adding polyamine as a coagulant at widely different pH ranges. Results indicate that the use of polyamine coagulant is cost effective in dye wastewater treatment because it minimizes the amount of sludge produced as the dosage of inorganic coagulant is highly reduced.

Key Features & Benefits

Key Features	Benefits
• Economical to use-effective at very low dosage levels.	Use of polyamine coagulant in combination with PAC improved removal efficiency of turbidity
Perform well over a wide pH range	• PAC/ Polyamine combination was effective in reducing PAC dosage, lowering residual aluminum ion concentration in the treated water and improving turbidity removal
Easily sealable in water	High solubility.
Multiple applications.	 Reduces the use of inorganic salts.

General Characteristics

Physical Appearance	:	Pale yellow to amber color liquid
Ionic Nature	:	Cationic
рН	:	3.0 - 5.0
Viscosity@25°C	:	4000-10000 Cps
Shelf life	:	24 months

Application

BRTREAT 6150PLUS is high molecular weight viscous liquid, cationic coagulant suitable for a wide range of pH. It could be used as mixture compatible with polymeric aluminium for waste water treatment of turbid river and tap water and also could be used in wastewater treatment (drinking and wastewater), textiles, cosmetics, mining (coal, gold, diamonds etc.), paper making, soil treatment and oil industries.

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Packing size: 50Kg/200kg

Safe use and handling

Good hygienic and industrial practices should be followed and, when employed as recommended, **BRTREAT 6150 PLUS will** not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water. The information herein is, to the best of our knowledge, correct and complete. It is based not only on the work in our laboratory but also on the reported results of other workers in this field. It is offered without guarantee of specific properties and no patent liability is assumed. No liability can be accepted for any loss, injury or damage resulting from its use.

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