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## SB – 1351 AF

### Anionic Flocculant

#### Introduction

**SB – 1351 AF** is used mainly for flocculation in the treatment of raw water from the surface and ground water, and all types of waste water, after preliminary treatment with hydroxide forming substances.

The mode of action of anionic **SB – 1351 AF** products is based essentially on ion exchange between the electrical charges along the polymer chain, which are present in aqueous solution, and the surface charges on the suspended solid particles. The particle surfaces are destabilized, thus bringing about coagulation or flocculation.

#### General Description

Composition ..... Anionic Polyacrylamide  
Appearance ..... Off white, granular powder  
Ionic Charge..... High Anionic Charge  
Residual Monomer Content.....  $\leq 0.05\%$   
Bulk Density .....  $0.75 - 0.9 \text{ g/cm}^3$   
pH 0.5% sol .....  $5.0 - 7.0$

#### Dosage & Feeding

Stock solutions can be prepared up to 0.5% concentration via an automated make down unit or on a batch basis. Solutions should be aged 30-60 minutes for maximum effectiveness. High quality make up water should be used. Secondary dilution water should be added to the stock solution prior to the addition point at a ratio at least 10 : 1.

#### Packing

**SB – 1351 AF** is available in 25 kgs per bag