

## Polyelectrolyte

# INDFLOC<sup>®</sup> 443

## High efficiency Poly-Electrolytes For solid - liquid separation

### Application

INDFLOC 443 is high efficiency polyelectrolyte, specially designed for solid – liquid separation process. Applications include sedimentation, thickening and clarification of suspended solids; clarification of aqueous liquor by sedimentation; De-watering of sludge's for the recovery of liquor or disposal of solids by filtration and centrifugation sludge's for the recovery of liquor or disposal.

INDFLOC 443 application is Sedimentation for Industrial water and waste water treatment.

### Features

- Effective at low dosages.
- Works on a wide range of PH
- Completely miscible in water.
- Easy to prepare solution and apply.
- Rapid settling.
- Increased throughput.
- Marked increase in underflow density.
- Efficient filter cake washing.
- Improved filter clarity.
- Higher filtration rate.

### Product Specifications

Appearance	: White Crystalline powder
pH of 0.1% solution	: 7.0 – 8.0
Viscosity 0.1% cps	: 40 - 200

## Directions for use

INDFLOC 443 may be fed into the vortex of the stirred tank. Eductor may be used for efficient dispersion of polymer. Paddle stirrers operating at 30 to 60 rpm is recommended for dissolution. Use filtered water, free from suspended solids to prepare stock solution of 0.2 to 0.5% of concentration. Prepare feed solution by diluting stock solution about ten times directly or on-line diluting. Water may be heated to 50°C to accelerate the dissolution. Higher temperatures are not recommended INDFLOC 443 dosage for clarification is normally between 10 to 40 ppm depending on suspended solids.

## Limitations and handling

Do not store the material in open. Keep the container tightly closed when not in use. These products exhibit very low order of oral toxicity. No special care is required in handling these products.

## Storage

Keep container tightly closed in a cool place.

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