

Polyelectrolyte

INDFLOC[®] 445

Polyelectrolyte for Solid-Liquid Separation & Dewatering

Application

INDFLOC 445 is high efficiency polyelectrolyte, specially designed for solid – liquid separation process. Applications include sedimentation, thickening and clarification of suspension; clarification of aqueous liquor by sedimentation; Dewatering of pulp and sludge for the recovery of liquor or disposal of solids by filtration and centrifugation sludge for the recovery of liquor or disposal.

INDFLOC 445 application is Sedimentation and clarification of Neutral leach in Zinc and Uranium. Metal Hydroxides Filtration of base metal sulphides , oxides and hydroxide concentrate.

Features

- Marked increase in underflow density.
- Rapid Settling.
- High filtration rate.
- Efficient filter cake washing.
- Effective at low dosages.
- Easy to prepare solution and apply.
- Completely miscible with water.
- Improved filter clarity.
- Increase throughput.

Product Specifications

Appearance	: White Crystalline powder
Ionic character	: Low Anionic
pH of 0.1% solution	: 6.5 – 8.0
Stock Solution (0.1%) Viscosity (cps)	: 25 - 50

Directions for use

INDFLOC 445 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 445 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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