

Polyelectrolyte

INDFLOC[®] 442

High efficiency Poly-Electrolytes for solid-liquid separation

Application

INDFLOC 442 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; De-watering of pulp and sludges for the recovery of liquor or disposal of solids by filtration and centrifugation sludges for the recovery of liquor or disposal.

INDFLOC 442 application is Sedimentation and clarification of Neutral leach in Zinc and Uranium. Metal Hydroxides and Filtration of base metal sulphides, oxides and hydroxide concentrate.

Features

- Effective at low dosages.
- 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
Ionic character	:	Medium – Anionic
pH of 0.1% solution	:	7.0 – 8.0
Stock solution (0.1%) Viscosity (cPs)	:	40 - 100
Solids	:	88 – 92%

Directions for use

INDFLOC 442 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 442 dosage for clarification is normally between 10 to 40 ppm depending on suspended solids.

Limitations and handling

Harmful if swallowed. Avoid contact with skin and eyes. If material gets on skin, wash with plenty of water. If eyes are affected, immediately flush with water for at least 10 minutes and get medical attention. Use protective clothing, gloves and goggles. Wash out empty containers thoroughly with water before disposal.

Storage

Keep container tightly closed in a cool place.

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