

# INDFLOC 445

## High efficiency poly electrolytes for solid-liquid separation

### 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 sludges for the recovery of liquor or disposal of solids by filtration and centrifugation sludges 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.

Product Data	INDFLOC 445
Appearance	Free flowing Powder
Ionic Character	Non Ionic
pH of 0.1 % Solution	5.5 – 8.0
Stock Solution Viscosity (cps) of 0.1 % solu	25 – 85

### Benefits

- Rapid Settling
- Marked increase in underflow density
- High filtration rate
- Increase throughput
- Improved filter clarity
- Efficient filter cake washing

### Features

- Completely miscible with water
- Effective at low dosages
- Easy to prepare solution and apply

### Direction 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<sup>o</sup> 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.

### 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.