ZI-CHEM 72A1
Clarification Flocculant

HIGHLIGHTS

ZI-CHEM 72A1 is a high molecular weight, medium charged anionic, powder polymer.

ZI-CHEM 72A1 flocculant is highly effective in flocculating suspended solids for raw water clarification, and for dewatering industrial wastewater and slurries in centrifuges screen belt presses and chamber filter presses. It can also form part of an oil demulsifying program in wastewater streams.

TYPICAL PROPERTIES

- Appearance: White free-flowing powder
- Specific gravity: 0.55 – 0.70
- pH (1%) 3.5 – 5.5
- Ionic charge: Medium anionic
- Flash point: None

PRIMARY APPLICATIONS

ZI-CHEM 72A1 solution concentrations can be made from 0.05 to 0.2% with water. These can be prepared using an automatic feed system, or manually by the use of an eductor or careful addition to an even steam of water being fed to mixing vessel.

ZI-CHEM 72A1 should be added slowly to clean water and stirred for at least 60 minutes at a speed not exceeding 450 RPM for maximum effectiveness; or with a compressed air agitator. For best results, the solution should be further diluted in-line or in the holding tank. Dilute solutions should be used within 4 days.

FEEDING & CONTROL

When used as a flocculant or a coagulant aid, typical addition levels range between 0.1 - 100 mg/L. For sludge conditioning, typical treatment levels range between 0.2 – 5.0 kg/ton of dry solids.

Addition of ZI-CHEM 72A1 to the point of application should be with a variable speed positive displacement chemical metering pump. Your ZI-TECHASIA technical representative will provide specific recommendations

THE BENEFITS

- Reduced turbidity levels
- Reduced sludge disposal cost
- Increase flow rate due to heavier, stronger flocs
- Compliance with sanitary regulation

COMMON APPLICATIONS

- Primary Clarifier
- Sludge Dewatering
- Secondary Clarifier

PACKAGING

- 25kg bags

HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

ISO 9001:2008 Certificate No.SG12/04040 ISO 14001:2004 Certificate No.SG12/04041