

ZI-CHEM 9511 Flocculant DPAM- Food Applications

HIGHLIGHTS

ZI-CHEM 9511 is a highly effective high molecular weight low charge anionic polyacrylamide flocculant supplied as a free flowing granular powder.

ZI-CHEM 9511 flocculant is highly effective in condition solids for aid water clarification processes in sugar industry and various other food industries. This shows exceptional performance in liquid-solid separations in a wide range of conditions.

TYPICAL PROPERTIES

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

APPLICATIONS

ZI-CHEM 9511 solution concentrations can be made from 0.05 to 0.5% with water. These can be prepared via an automated make down unit or on a batch basis

ZI-CHEM 9511 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 at ratio 10:1 prior to the addition point. Details on preparation and feeding can be obtained from ZI-CHEM Mining Representative

FEEDING AND CONTROL

When used as a flocculant or a coagulant aid, typical addition levels range between 0.1 - 100 g/ton (ppm). For sludge conditioning, typical treatment levels range between 0.2 – 5.0 g/ton (ppm) of dry solids. Addition of ZI-CHEM 9511 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

APPROVALS

The components of ZI-CHEM 9511 have the following approvals for the use in sugar industry applications including FDA 21 CFR Section 173.10 for Sugar Juice Clarification and 173.5 and for Sugar Juice Clarification applications where the product water is used for potable drinking or sugar processing applications under NSF/ANSI 60 drinking water approval (trade designation, Hengju 61010).

THE BENEFITS

- Economical to use – significantly lower dosage levels
- Fast settling rates
- Achieve high solids removal efficiencies
- Easily soluble in water; dissolves rapidly
- Effective over a wide pH range; does not alter the system pH
- Eliminates or reduces use of inorganic salts.
- Compliance with sanitary regulation

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

PACKAGING

Available in 25kg bags

TECHNICAL SERVICE

Advice and assistance in the running of laboratory and plant tests to select the correct flocculant and determine the best application is given by representatives of ZI-CHEM.

