

ZI-CHEM 7121 Clarification Coagulant

HIGHLIGHTS

ZI-CHEM 7121 coagulant is a powdered highly charged inorganic cationic coagulant.

ZI-CHEM 7121 is a very effective primary coagulant for water and wastewater clarification. It can be used to produce low turbidity in influent water and effluent wastewater clarification applications.

ZI-CHEM 7121 coagulant is also effective in oily wastewater demulsification, greasy tower treatment, save-all clarification, and use as a retention or drainage aid.

TYPICAL PROPERTIES

- Appearance: Fine yellow-white free-flowing powder
- Specific gravity: 1.1 – 1.3
- pH (5% solution): 3.5 – 5.0
- Flash point: None

PRIMARY APPLICATIONS

Typical addition levels for raw water clarification are 0.3 - 10 mg/L, while levels for industrial wastewater treatment range from 1 - 1000 mg/L.

Specific recommendations will be provided by your ZI-TECHASIA technical representative after studying your system.

FEEDING & CONTROL

Obtaining the best application results will require diluting to a solution <10% concentration. These can be prepared using an automatic feed system, or manually by the use of an eductor or careful addition to an even stream of water being fed to mixing vessel.

PRODUCT REGISTRATION

ZI-CHEM 7121 is registered to the NSF/ANSI 60 -Drinking Water Treatment Chemicals.

THE BENEFITS

- Low cost
- Easy to use
- Increase flow rate due to heavier, stronger flocs

COMMON APPLICATIONS

- Primary Clarifier
- Sludge Dewatering
- Demulsification
- Secondary Clarifier
- Greasy Tower

PACKAGING

- 25kg plastic or nylon 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.

