



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-91-4160-025

Anionic Polymer Powder

Anionic Polyacrylamide Flocculant

Description : Anionic Polyacrylamide Flocculant is a medium anionic charged powder polyelectrolyte to be used as flocculant in direct filtration process for settling of inorganic suspended solids, effluent water.

Application : It is used for effluent treatment of inorganic suspended solids found in chemical, Fishery, food, textile, dye, other effluent water, mining and coal washing waste water, metal processing, etc.

DOSE : The dosage range of Anionic Polyacrylamide Flocculant Anionic Polyelectrolyte Powder varies from 0.2 - 3.0 ppm depending upon the type of effluent and application. It is always advised to do a jar test for evaluating the functioning and approximate dosage of Anionic Polyacrylamide Flocculant Powder.

Jar Test: Put sample of effluent in a beaker and add Anionic Polyacrylamide Flocculant Anionic Polyelectrolyte Powder as designated, agitate for 1 minute at 100-120 rpm and then slowly agitate at 60rpm. Determine the floc properly at this time and note the sedimentation and clarity of top solution.

Procedure and precautions upon dispersion and dissolving flocculants:-

Dissolving time: The time required to dissolve the flocculant varies according to the type of flocculant, water quality, temperature and agitation. However, most flocculants generally require around 1 hour of agitation to completely dissolve the powder. Incomplete mixture of flocculant or lumping may inhibit the performance of the flocculant.

Agitation speed: The ideal revolution of the agitator is between 200-400rpm. A high speed agitator operating without reducing the revolution of a motor is not advised, since it may cut the molecules of the flocculant. An ideal agitator motor should be of 1HP for a 1-2m³ mixing tank.

Dissolving concentration: Flocculants should be standardly be dissolved to 0.1-0.2% concentration. It is also effective to start dissolving at a slightly higher concentration, and then dilute the flocculant mixture immediately before use.

Technical Properties :

Form	:Powder
Colour	:Off-white
Odour	:Odourless
Flash point	:Not applicable
Flammability	:Not flammable
Bulk density	:Approx. 750 kg/m ³

Self ignition	:Not self-igniting
Explosion hazard	:Not explosive
Fire promoting properties	:Not fire-propagating
Solubility in water	:Forms a viscous solution.

Handling measures and precautions :

Storage : This product should be stored in original containers in cool and dry place, away from sources of heat, flame and direct sunlight.

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