

SWEETWATER

Technical Information
Bulletin

9311

Liquid Cationic Polymer

- Needs less energy to form a floc than other polymers
- Enhances effluent turbidities
- Reduces or eliminates the need for inorganic coagulants
- Reduces or eliminates the need for pH adjustment
- Increases settling rates and density of floc particles
- Reduces overall treatment costs
- Increases filter runs through lower settled water turbidities

Principal Uses

Sweetwater 9311 is used as a primary coagulant or coagulant aid in the treatment of potable or industrial water or wastewater. It has been approved for use in potable water by the National Sanitation Foundation for use in treating potable water. Sweetwater 9311 can also be used as a filter aid where a cationic charged polymer is appropriate. When used as a coagulant aid, Sweetwater 9311 has been shown to significantly reduce or eliminate the need for inorganic coagulants such as alum or ferric chloride. Unlike other cationic polymers, Sweetwater 9311 has shown the ability to form a floc particle under low energy mixing conditions.

General Description

| | |
|--------------|-------------------|
| Form | Liquid |
| Charge | Cationic |
| Density | 10.17 lbs./Gallon |
| Color | Clear to amber |
| Odor | Slight |
| Freeze Point | about 30 F. |
| Viscosity | 100 - 200 cps |

Typical Dosage Rates

| | |
|-------------------|------------|
| Conventional | 1 - 10 ppm |
| Direct Filtration | .1 - 2 ppm |
| Filter Aid | .02 - ppm |

Feeding

Sweetwater 9311 can be fed as a neat solution or as a dilution. Optimum results are achieved through dilution of 10:1 or more. However, the penalty of feeding the product on a neat basis is not severe.

Handling and Storage

Sweetwater 9311 is not considered hazardous, however, care should be taken to avoid spills as the product is somewhat viscous. Avoid contact with eyes or skin. Avoid prolonged or repeated breathing of vapors and do not take internally.

Sweetwater 9311 can be stored in unopened containers for up to one year. Bulk 9311 should be stored in lined steel, fiberglass or cross linked polypropylene tanks. Stability of diluted 9311 is significantly less than neat 9311. Dilute solutions of less than 10% are stable for a period of about one week.

Shipping

Sweetwater 9311 is available in either drum or bulk quantities from various locations around the United States.

This product bulletin has been provided to you for reference purposes only. For further information on Sweetwater products or services please contact your local Sweetwater representative or Sweetwater national headquarters at the following address:

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