

# SWEETWATER

Technical Information  
Bulletin

7109A

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 7109A 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 under the ANSI/NSF 60 standard for use in treating potable water. Sweetwater 7109A can also be used as a filter aid where a cationic charged polymer is appropriate. When used as a coagulant aid, Sweetwater 7109A has been shown to significantly reduce or eliminate the need for inorganic coagulants such as alum or ferric chloride. Unlike other cationic polymers, Sweetwater 7109A has shown the ability to form a floc particle under low energy mixing conditions.

## General Description

|              |                   |
|--------------|-------------------|
| Form         | Liquid            |
| Charge       | Cationic          |
| Density      | 11.18 lbs./Gallon |
| Color        | Clear to amber    |
| Odor         | Slight            |
| Freeze Point | about 30 F.       |

## Typical Dosage Rates

|                   |            |
|-------------------|------------|
| Conventional      | 2 -20 ppm  |
| Direct Filtration | .1 - 4 ppm |
| Filter Aid        | .02 -2 ppm |

## Feeding

Sweetwater 7109A 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

As Sweetwater 7109A can be a somewhat viscous product, care should be taken to avoid spills as the product is somewhat slippery. Avoid contact with eyes or skin. Avoid prolonged or repeated breathing of vapors and do not take internally.

Sweetwater 7109A can be stored in unopened containers for up to one year. Bulk 7109A should be stored in lined steel, fiberglass or cross linked polypropylene tanks. Stability of diluted 7109A is significantly less than neat 7109A. Dilute solutions of less than 10% are stable for a period of about one week.

## Shipping

Sweetwater 7109A 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:

## Sweetwater Technologies

A Division of National Sweetwater, Inc.  
P.O. Box 1473, Temecula, CA 92593  
(800) 426-2428 FAX (909) 676-2913

