



## AF 7350 (AFCO 8841)

### GENERAL DESCRIPTION

AF 7350 (AFCO 8841) is part of a series of coagulants that are liquid, cationic polymers of differing molecular weights. They work effectively as primary coagulants and charge neutralization agents in solid-liquid separation processes in a wide variety of industries.

AFCO 8841's chemistry range available ensures there is a product suitable for each individual application.

### MAJOR BENEFITS

- ✓ Capable of direct feed; simplifies dilution, feed and handling.
- ✓ Economical to use; effective at low dosage level.
- ✓ Effective over a wide range of pH; does not alter the system pH.
- ✓ Eliminates or reduces use of inorganic salts.
- ✓ Immediately soluble at all concentrations.
- ✓ Wide molecular weight ranges for specific applications.

### PHYSICAL PROPERTIES\*

|                  |   |  |
|------------------|---|--|
| Appearance       | : | Clear, colorless to amber liquid   |
| Relative Charge  | : | Very high  |
| pH               | : | 4 – 7  |
| Specific Gravity | : | 1.14 – 1.18 g/cm <sup>3</sup>  |
| Molecular Weight | : | Med Low  |
| Flash Point      | : | >100°C (>212°F)  |
| Freezing Point   | : | -18°C (0°F)  |
| Total Solids     | : | 49 – 52%   |
| Viscosity        | : | 175 – 400 @25°C (mPa-sec)  |
| Shelf Life       | : | 12 – 24 months when stored in unopened packages in a dry atmosphere at temperatures no higher than 30°C/86°F |

\* does not constitute a specification.

# TECHNICAL DATA SHEET

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## DIRECTIONS FOR USE

*The directions listed below are general recommendations only. These coagulants should be fed to the system by using a corrosion resistant, positive displacement pump. For maximum effectiveness, add dilution water at a ratio of at least 10:1. Best results are obtained by dispersing feed stream and promoting high turbulence for rapid mixing beyond the application point. Residence time before the separation process should be optimized to yield improved efficiency.*

AFCO 8841 is especially recommended for:

- Belt filter, centrifuge and screw press dewatering.
- Demulsification.
- Dissolved air flotation.
- Filtration.
- Latex coagulation.
- Water clarification.

Please consult your AFCO sales representative for more detailed instructions and specific use applications.

## COMPATIBILITY

Avoid contact with strong oxidizing agents, acids, reactive metals such as iron, copper, and aluminum.

## HANDLING & STORAGE

Store at temperatures no higher than 30°C/86°F, in original container. For best results avoid freezing. If the product freezes, thaw completely and mix prior to use. Pumps should be fitted with oil-resistant gaskets and seals. Keep container tightly closed when not in use. Recommended materials of construction include stainless steel, fiberglass, plastic, and glass or epoxy-lined vessels.

## SAFETY

Before handling any chemical, you should handle it responsibly, use proper protective equipment, and follow established safety guidelines. Consult the product's Safety Data Sheet (SDS) for complete safety information.

## PACKAGING

Available in different package sizes. Please contact your AFCO sales representative for more information.

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