



American Water Chemicals, Inc.

**9001 Brittany Way
Tampa, Florida 33619, USA
Telephone: (813)-246-5448**

Fax: (813)-623-6678

American Water Chemicals, Inc.

PRODUCT DATA

AWC AP-100 ANIONIC FLOCCULANT

DESCRIPTION

AWC AP-100 is a high molecular weight, anionic emulsion polymer. This product is designed to enhance liquid/solid separation in a wide variety of industrial applications. AWC AP-100 is manufactured in accordance with 21 CFR Sections 176.110, 176.170 and 176.180 as set forth by the Food and Drug Administration. AWC AP-100 is approved under ANSI/NSF Standard 61 for use in drinking water applications.

TYPICAL PHYSICAL PROPERTIES

| | |
|---------------------------|-----------------------------|
| Appearance | Opaque, off-white emulsion |
| Density (25°C) | 8.9 ± 0.1 pounds per gallon |
| Viscosity (RVT 3/50/27°C) | 400 - 800 cps |
| Freezing Point | ≤ 20°F |

TYPICAL APPLICATION

- Wastewater Clarification
- Influent Clarification
- Aggregate Clarification
- Paper Liquor Clarification
- Metal Removal/Clarification
- Paper Recycle Clarification
- Sludge Dewatering
- Retention Aid
- Mining Processing

The most effective AWC program should be selected based on performance testing utilizing the actual substrate to be treated.

SOLUTION PREPARATION

Laboratory: A stock solution of 0.5% concentration is prepared by adding 5 grams of AWC AP-100 per liter of water. Note: Water should be agitated by mechanical or magnetic mixer. One ml of stock solution per 1,000 ml sample of substrate volume equals 5 ppm of AWC AP-100. Stock solutions should be prepared daily.

Plant: A slight phase separation is common with emulsion polymers upon storage. All polymer storage containers should be checked and agitated, if necessary, prior to use to ensure homogeneity. Recommended solution preparation concentrations should be between 0.5-1.0%, regardless of polymer preparation equipment utilized. Secondary dilution to 0.05-0.1% before the application point can improve product performance.

STORAGE AND HANDLING

AWC AP-100 should be stored in a cool area and protected from freezing. If freezing occurs, the product should be warmed to 40-90°F and agitated prior to subsequent use. Product rotation is recommended to avoid prolonged storage times. A very slight separation will occur upon standing, as noted by a clear upper layer of oil. Mild agitation will restore uniformity. The self life of AWC AP-100 is at least six months in unopened containers.

Spilled product should be scooped up as much as possible and the remaining thin layer absorbed with a solid material such as sweeping compound. Washing the area with water should only be attempted after most of the polymer has been removed. Follow all federal, state and local regulations in clean up and disposal of spilled product.

AWC AP-100 may be stored in glass, stainless steel, plastic, or epoxy lined tanks. Do not use aluminum, copper or mild steel tanks, pumps, or piping.

PACKAGING

AWC AP-100 is supplied in drums, tote bins and bulk. Contact your AWC technical sales representative for specific container information.