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## Product Bulletin

# POLY-FLOC 140 CATIONIC FLOCCULANT

### TYPICAL APPLICATION

**POLY-FLOC 140** is a high molecular weight, medium-charge density cationic emulsion polymer. This product is designed to enhance liquid/solid separation in a wide variety of industrial applications.

- **Clarification**
- **Thickening**
- **Sludge Dewatering**

**POLY-FLOC 140** is a single component emulsion polymer and must be pre-diluted with water prior to use. Commercial systems are available to prepare solutions of product via in-line dilution and mixing. The manual method for dilution is to add the neat product into the vortex of a mixer tank at the recommended concentration. Recommended solution concentrations should be between 0.5 and 1.0%. Prepared dilutions should be aged for at least 30 minutes prior to use. Shelf life of dilutions is 8-16 hours. Secondary dilution to 0.05-1% before the application point can improve product performance.

### CONTROL

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application. Additional testing may be performed upon request.

### STORAGE & HANDLING

**POLY-FLOC 140** should be stored in a cool area and protected from freezing. If freezing occurs, the product should be warmed to 40 to 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 shelf-life of **POLY-FLOC 140** 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.

### PHYSICAL PROPERTIES

Appearance ..... Opaque, Milky Emulsion  
Specific Gravity ..... 1.00 – 1.10  
Viscosity (RVT 3/50/81°F) ..... 500-2000 cps  
Freeze Point ..... 25°F

### Seller Warranty

CH<sub>2</sub>O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH<sub>2</sub>O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH<sub>2</sub>O products is subject to the Standard Terms and Conditions as listed on CH<sub>2</sub>O, Inc.'s website at: [www.ch2o.com](http://www.ch2o.com).

