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POLY-FLOC 109

HIGH MOLECULAR WEIGHT, VERY HIGH CHARGE DENSITY CATIONIC POLYACRYLAMIDE

APPLICATION

POLY-FLOC 109 is a cationic flocculant that is very effective in many solid-liquid separation processes. **POLY-FLOC 109** has been particularly effective for clarification and for sludge conditioning in municipal and industrial waste treatment operations. However, the most cost effective flocculant should be selected based on a performance evaluation using the particular waste or process stream intended for treatment. It is supplied as a milky white, water-in-oil emulsion.

POLY-FLOC 109 is a cationic polymer which performs in the pH range 2.5 to 12.0.

SOLUTION PREPARATION

Solutions can be prepared by direct addition of the required quantity of product to water, between 40°F and 100°F.

The following procedure is recommended:

Fill the mix tank half full with water reaching above the agitator blades. Add the required amount of product into the vortex of the tank. Fill the tank with the remaining makeup water, while blending. The solution is ready for use, or further dilution in 15 to 20 minutes.

Recommended solution concentrations:

- Stock Solution 0.5 - 1.0% Maximum
- Feed Solution 0.1 - 0.2% Maximum

SAFETY AND HANDLING

Polymer spilled on floors is very slippery and difficult to “hose down.” It should be “scooped up” as much as possible, and the remaining thin film absorbed with a solid material such as a sweeping compound. Alternatively, the area may be hosed down after most of the polymer has been removed.

STORAGE

- Recommended storage periods:
- Material as Supplied – Up to 6 Months
- Stock Solution – 1 to 2 Days
- Storage should be in a heated building

POLY-FLOC 109 may be stored in glass, stainless steel, or plastic vessels. Plastic or epoxy lined containers are also suitable. Aluminum and iron equipment should not be used in storage or feed systems. 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.

PHYSICAL PROPERTIES

- Appearance..... Opaque liquid
- Density 8.6 ± 0.2 lbs/gallon
- Viscosity 1200 cps
- Activity..... 45%
- Charge Density High

Seller Warranty

CH₂O 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. CH₂O 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 CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.’s website at: www.ch2o.com.



VERSION DATE: May 10, 2011 | REVISED: October 14, 2019

