



atomes

ATO FLOC PAM

POLYACRYLAMIDE PAM CATIONIC EMULSION

DESCRIPTION

ATO FLOC PAM flocculant is a cationic emulsion. It is used in liquid-solid separation processes including sludge conditioning, wastewater treatment and water clarification processes across the industry spectrum.

APPLICATIONS

This product may be beneficial in any liquid-solid separation process. It is especially recommended for:

- Belt filter, centrifuge and screw press dewatering
- Coagulation aid
- Dissolved air floatation
- Gravity settling
- Thickening
- Water clarification

BENEFITS

- Cationic charge
- Easy to handle
- Economical to use – effective at low dosage levels
- Effective high solids removal
- Effective over a wide pH range; does not alter the system pH
- Improves production and cake solids

Health and Safety

HANDLING AND STORAGE

Recommended materials of construction include fiberglass reinforced plastic (FRP), high-density and/or crosslinked polyethylene, glass or epoxy-lined vessels. Stainless steel (316L) is recommended for interim storage of neat polymer. Depending on environmental conditions and the length of time, corrosion of stainless steel is possible. Stainless steels, Teflon, various plastics and rubbers are acceptable for pumps, seals and feed lines for both neat products and product solutions. Avoid natural rubber and Buna-N gaskets as these tend to swell when placed in contact with neat polymer. Do not use iron, copper, aluminium or brass. The shelf life of these products is 6 months when stored at temperatures between 5-30°C. For best results avoid freezing. If the product freezes, thaw completely and mix prior to use. It is recommended that bulk tanks are mixed by periodically recirculating the contents of the tank. If possible drums and totes should be mixed well before first use and periodically thereafter. Spilled polymer is very slippery and should be absorbed onto an inert material and collected prior to thoroughly flushing with water.

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Information contained in this literature is believed to be accurate and is offered in good faith for the benefit of the consumer. The company, however, cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control.



PRODUCT ADDITION

Prior to initial use, agitate thoroughly via a low RPM (<475 rpm) drum/ IBC stirrer or a recirculation pump to ensure uniformity. Recommended working solutions are 0.5 % concentration, however, stock solutions can be prepared up to 2 % via an automated make-down unit or on a batch basis. Solutions should be aged 30 minutes for maximum effectiveness. High quality make up water should be used. Secondary dilution water can be added to the stock solution prior to the addition point to improve mixing with the substrate. A ratio of at least 10:1 is recommended. A distributing header or distribution ring is recommended in the treatment stream. Avoid centrifugal pumps for polymer transfer.