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**ANF-15 FLOCCULANT**

**ANF-15** flocculant is a liquid organic synthetic polymer with a medium anionic charge. It is formulated for wastewater treatment applications and promotes the formation of large, rapidly settling flocs by bridging (binding) the microflocs present in wastewater.

When used alone, or in conjunction with other flocculating or coagulating agents, **ANF-15** is effective in primary and secondary clarification. It conditions high metallic content sludges prior to dewatering. The effective pH range is 6-13.

To determine the appropriate dilution and dosage levels, ask for a free sample to perform bench-scale jar tests as suggested on the back side of this bulletin..

**PREPARING STOCK SOLUTION**

**ANF-15** is packaged in a concentrated liquid form and must be diluted before use. For typical wastewater treatment applications, prepare the stock (working) solution by diluting **ANF-15** concentrate 1:100 (ANF-15:water) with clean, neutral pH water. Avoid high speed mixing. Propeller mixers should run less than 600 RPM, turbine mixers less than 60 RPM.

**DOSAGE & OPERATIONAL SUGGESTIONS**

- To determine the optimum dilution ratio and dosage, use the jar test procedure as described on the back of this bulletin.
- Use positive displacement or gear type metering pumps for dosing **ANF-15**. Avoid using centrifugal pumps and aluminum or galvanized equipment with this polymer.
- After dosing, mix the **ANF-15** with the wastewater at a slow speed to allow floc building. High speed mixing will produce shear forces and break up the larger flocs and limit the maximum floc size.
- If the wastewater has an overall cloudy appearance, the suspended particles may be in a colloidal state and require coagulation to permit their settling. Use **M-25** Coagulant before dosing **ANF-15**. See our Product Information Bulletin on **M-25**.
- **ANF-15** polymers are lighter than water. Overdosing may cause the flocs formed to float.

**STORAGE & HANDLING**

Store in closed drum until ready to use. To insure maximum performance, recommended in-plant storage is 6 months for concentrated **ANF-15** in drums. Stock solutions should be used within 1-7 days, depending on dilution ratio. This product is not toxic and no special precautions are required when handling. Caution: Spilled product can be very slippery and should be soaked up with sand or sawdust, or washed away with a strong stream of water.

*See the Material Safety Data Sheet for further information.*