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**ALE-30 FLOCCULANT**

**ALE-30** is a 100% active medium charged anionic powdered flocculant. 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, **ALE-30** is effective in primary and secondary clarification. It conditions high metallic content sludges prior to dewatering. It is effective in the pH range of 6-13.

To determine the appropriate dilution and dosage levels, ask for a free sample to perform bench-scale jar tests as suggested for anion flocculants (ANF-15) on the back side of this bulletin. Be sure to note the suggestion regarding the use of graduated cylinders to determine the settling attributes of the various samples.

**PREPARING STOCK SOLUTION**

**ALE-30** is packaged powder form and must be diluted before use. Even though it is formulated to have excellent solubility in water, the granules must be thoroughly wetted to ensure that no lumps or gels will form.

A 0.5% stock solution is recommended. For lab use, prepare this solution by slowly dissolving one (1) gram of **ALE-30** in 200 ml of clean, neutral pH water. Mix for 30 minutes or longer. Stock solutions should be prepared fresh and used within 2-3 days.

**DOSAGE & OPERATIONAL SUGGESTIONS**

- Before use, dilute the stock solution with clean, neutral pH water to 0.1% or lower.
- 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 **ALE-30**. Avoid using centrifugal pumps and aluminum or galvanized equipment with this polymer.
- After dosing, mix the **ALE-30** with the wastewater at a slow speed to allow floc building. High speed mixing will produce sheer 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 **ALE-30**. See the Product Information Bulletin on **M-25**.
- **ALE-30** polymers are lighter than water. Overdosing may cause the flocs formed to float.

**STORAGE & HANDLING**

Store in closed drum until ready to use. 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.