

AXEON

F-25 Antifoulant

AXEON F-25 Antifoulant is a highly effective anticoagulant and antifoulant for all membrane systems treating feedwaters with high potentials for fouling by silt, organics, colloids and fine particulates. It is effective over a wide range of concentrations, and does not flocculate dissolved polymers such as residual coagulants, iron or aluminum-rich silica. A special utility of **AXEON F-25 Antifoulant** is in its application as an anti-deposition agent for colloidal matter in sea and brackish surface waters, and industrial and municipal wastewaters. It prevents the coagulation and subsequent membrane fouling by colloidal organic matter which includes humic acid, lignin, tannin, microorganisms, polysaccharides, lipids, proteins, cellular debris and organic polymers from water treatment and inorganic colloids including silica, clay, silt, sulfur and various microcrystalline precipitates.



Product Benefits

- Inhibits coagulation and deposition of organic and inorganic colloidal particles.
- Reduces requirements for membrane cleaning by decreasing the rate of membrane fouling.
- Effectively reduces membrane fouling when processing waters with high SDI values.
- Certified under ANSI/NSF Standard 60 for drinking water production.
- Eliminates the need for additional expensive pretreatment equipment and chemicals to control feedwaters with high SDI values.
- Compatible with major manufacturers' RO, NF, and UF membranes.
- Compatible with simultaneous administration of antiscalants into feedwaters.

Technical Specifications

Liquid*

- Appearance: Amber clear liquid
- pH: 7 – 9
- Specific Gravity: 1.02 ± 0.15

Dosing Recommendations

F-25 Antifoulant should be injected into the feed-stream prior to the static mixer and cartridge filter. Effective pH range is 2 – 14. If frozen, may be thawed and mixed before use. Stability is excellent, but best used within 12 months.

Dosing Recommendations

In the useful dosage range of 1 – 100 ppm neat (liquid), the liquid being 33% w/w of the powder in water. By monitoring the concentrate stream and trend charts, optimal dosage can be achieved for the control of colloidal particles in feedwater of microbial, plant or inorganic origins, and organic compounds in industrial process or waste streams.

Packaging

- Liquid: 5 gallons, 55 gallons

* MSDS available upon request.

Engineered Water Treatment Solutions

AXEON
WATER TECHNOLOGIES

MKTF-188

P: 800-320-4074 • W: www.axonwater.com
F: 800-609-0829 • E: sales@axonwater.com
40980 County Center Drive, Suite 100, Temecula, CA 92591

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