Aquacide 9580

Biocide for Membrane Separation Systems

Aquacide 9580 is a broad-spectrum fast acting biocide especially suitable for membrane separation systems.

Membranes in general are prone to fouling due to several causes, one of which is biofouling caused by bacteria. Biofouling can form a foundation to collect other debris and lead to further problems. Symptoms of a fouled membrane include decreased permeate flow at a constant feed rate, increased pressure necessary to maintain constant permeate flow and decreased salt rejection. Aquacide 9580 is recommended to prevent such biofouling.

Aquacide 9580 should be dosed regularly/periodically to avoid biological fouling of membranes.

Product Highlights and Features

- **Fast acting.**
- **Broad spectrum control.**
- **Cost effective.**
- **Compatible with membrane.**
- **Easy to handle and dose.**
- **Biodegradable.**

Product Application

Feed Point

Aquacide 9580 should be injected neat or undiluted into the feedstream during operation of the membrane plant while permeate is discharged to the drain.

Aquacide 9580 should not be added in the presence of sodium bisulfite residuals or other reducing agent residuals which are being added to the feed water of the RO system. If the feed water is expected to contain measurable quantities of sodium bisulfite or other reducing agent residuals, then the addition of reducing agents must be suspended at least 15 minutes prior to the addition of Aquacide 9580 in order to avoid decomposition of the active ingredient.

Feed Rate

Typical dose rate is 300 – 400 ppm for a period of 30 minutes. Please contact your AquaChem consultant for establishing the correct dosage for your application.

The permeate should be directed to drain prior to the application of Aquacide 9580 and after the application, rinse the system for 15 minutes. Return the system to online operation only after ensuring that the permeate conductivity is within the limits.

Packaging

Aquacide 9580 is available in 25 Ltr pails and in 200 Ltr. drums.

Safety & Handling

Please refer to the Material Safety Data Sheet.

AquaChem
Total Solutions for Water & Process