

Creative Chemistry. Smart Solutions.

NON-OXIDIZING BIOCIDES

Biological fouling of reverse osmosis (RO) membranes is one of the most challenging issues faced by operators of polyamide membrane separation systems. This is because effective biocides must be non-oxidizing in order to avoid permanent damage of the polyamide membrane.

ROCIDÉ® BIOCIDES

RoCide® liquids are non-oxidizing, membrane compatible biocides that reduce biological fouling in membrane systems. Their broad spectrum formulations combat contaminants such as bacteria, fungi and algae. RoCide biocides may be applied intermittently, via continuous injection or as a periodic addition to your clean-in-place (CIP) system.

- **RoCide DB20 and DB5** are used as “shock treatment,” via intermittent injection, or as a pretreatment solution during clean-in-place (CIP) procedures.
- **RoCide IS2** is designed for intermittent or continuous injection into RO feedwater to provide constant biological control. It can also be used as a preservative for short- or long-term membrane storage.

ROCIDÉ BIOCIDES CAPABILITY CHART

PRODUCT	CONTAMINANT			METHOD OF USE			MEMBRANE COMPATIBLE	EPA REGISTERED for use in RO Systems
	Bacteria	Fungi	Algae	CIP	Continuous Dosing	Shock Treatment		
RoCide DB5	X	X	X	X		X	X	
RoCide DB20	X	X	X	X		X	X	X
RoCide IS2	X	X	X		X		X	X

Our Avista® Advisor software calculates consumption rates for all on-site water treatment chemicals. The software uses water analysis and system data to determine the most appropriate biocide for site-specific applications.

To assist you in identifying site-specific foulants, we offer RO/NF Cleaning Studies and Membrane Autopsies. Our Autopsies include Chromatic Elemental Imaging (CEI), an innovative technology first introduced by Avista that can identify the location and relative concentration of elements in a membrane fiber sample.

The RoCide product line offers outstanding environmental properties, degrading rapidly and naturally. They are the biocides of choice for systems operating under strict environmental and discharge regulations.

RoCide biocides are compatible with various Avista cleaners, and have been tested for compatibility with both polyamide and cellulose acetate membranes from all major membrane manufacturers.

CORPORATE OFFICES

Please consult your sales representative for further technical or logistical details and always review the SDS before use to ensure suitable safety precautions are followed.

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