

**Performance:**

RoCide®DB20 biocide offers numerous performance benefits:

Certified by the U.S. Environmental Protection Agency (EPA) for use specifically in reverse osmosis systems.

Instantaneous antimicrobial activity as a non-oxidizing slimicide/bactericide.

Kills bacteria, fungi, and algae.

Exclusively for use in non-potable applications.

Compatible with polyamide and cellulose acetate membranes.

Degrades rapidly to comply with strict environmental discharge regulations.

Can be used in conjunction with other applicable cleaners as shown in the Avista cleaner selection guide.

**RoCide® DB20** is a fast acting, non-oxidizing biocide based on a 20% solution of the active ingredient DBNPA (Dibromo nitrilo propionamide). This formulation has almost instantaneous antimicrobial activity combined with rapid chemical breakdown resulting in one of the most cost-effective methods of contamination elimination.

RoCide® DB20 is certified by the EPA for use in reverse osmosis systems and has outstanding environmental properties as it degrades rapidly and naturally. This property has made it the chemical of choice, especially for systems operating under strict environmental and discharge regulations. This product is not recommended for use in systems producing potable water.

**Use Instructions:**

There are two options for applying RoCide®DB20 in reverse osmosis applications:

**1. Intermittent Online feed for "shock treatment" control:**

This procedure allows biocide use only as needed to control fouling. The dose level and frequency should be optimised to match the bacteriological challenge of the feed water. An initial dose of 50mg/l for one hour per week is a typical start point for optimisation.

**2. RO membrane cleaner:**

RoCide® DB20 is normally applied as the first stage of cleaning using solutions of 50-200 mg/l depending on the degree of fouling. The solution is circulated through the membranes for 1-3hours. As RoCide® DB20 is a fast acting biocide the biocide is best added in batches of 50mg/l four times during the circulation period.

**Packaging and Storage:**

Standard regional pack sizes are listed below. Custom packaging can be provided worldwide to meet customer needs. Information on drumless or bulk tanker delivery is available on request.

Specifications	
Appearance:	Clear light yellow to amber liquid
pH:	2.0 – 5.0
Specific Gravity @20°C:	1.1 - 1.3

Packaging Formats	Americas	EMEA
Pails	50 lbs	20 kg
Drums	500 lbs	200 kg
IBC's (totes)	2500 lbs	1200 kg

**LENNTECH**

info@lennotech.com  
 www.lennotech.com  
 Tel. +31-152-610-900  
 Fax. +31-152-616-289

