

BIOCIDES

# RoCide™ DB20

Biocide

## APPLICATIONS

RoCide™ DB20 is a concentrated, fast-acting, non-oxidizing liquid biocide for intermittent use that provides instant antimicrobial activity. It is based on a 20% solution of the active ingredient dibromo nitrilopropionamide (DBNPA).

RoCide DB20 is certified by the U.S. Environmental Protection Agency (EPA) for use in reverse osmosis (RO) systems. It degrades rapidly and naturally, making it a cost-effective method of eliminating contamination in compliance with strict discharge regulations.

## INSTRUCTIONS FOR USE

RoCide DB20 may be used in RO applications as a biocide for intermittent use or an additive for membrane cleaning. For potable applications, refer to local regulations.

## BIOCIDES FOR INTERMITTENT USE

Used as an on-line biocide for intermittent use, RoCide DB20 acts like a "shock treatment" to control fouling. The dose level and frequency should be optimized according to the bacteriological challenges present in the feedwater. A typical dose is 50 mg/l for one hour per week.

## RO MEMBRANE CLEANER ADDITIVE

RoCide DB20 is often applied as an additive to the cleaning protocol using solutions of 50 - 200 mg/l depending on the degree of fouling. The solution is circulated through the membranes for 1 - 3 hours. Because RoCide DB20 is a fast-acting biocide, it should be added in batches of 50 mg/l four times during the circulation period.

## CHEMICAL AND PHYSICAL PROPERTIES

CHARACTERISTICS	DATA
Appearance	Clear to amber liquid
pH (as supplied)	2.0 – 5.0
Specific Gravity (H <sub>2</sub> O = 1)	1.2 – 1.3

## PERFORMANCE BENEFITS

- Instantaneous antimicrobial activity as a non-oxidizing slimicide and bactericide.
- Kills bacteria, fungi and algae.
- Certified by the U.S. Environmental Protection Agency for use specifically in RO systems.
- Degrades rapidly and naturally to comply with strict environmental discharge regulations.
- Compatible with polyamide and cellulose acetate membranes.
- Can be used with other Avista cleaners.

## PACKAGING AND STORAGE

Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request. Store and apply RoCide DB20 as supplied. Not suitable for dilution with water.

PACKAGING FORMAT	AMERICAS	ASIA	EMEA
Pail	50 lb	20 kg	20 kg
Drums	500 lb	200 kg	200 kg
IBC tote	2500 lb	1200 kg	1200 kg

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.

**AMERICAS**

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