

Performance:

RoCide® DB5 biocide offers numerous performance benefits:

- Instantaneous antimicrobial activity as a non-oxidizing slimicide/bactericide.
- Kills bacteria, fungi, and algae.
- Exclusively for use in non-potable applications.
- Compatible with the thinfilm (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® DB5 is a fast acting, non-oxidizing biocide based on a 5% 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® DB5 has outstanding environmental properties as it degrades rapidly and naturally. This property has made it the chemical of choice for smaller systems where dosing the more concentrated RoCide® DB20 is inconvenient. This product is not recommended for use in systems producing potable water.

Use Instructions:

There are two options for applying RoCide® DB5 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 200mg/l for one hour per week is a typical start point for optimisation.

2. RO membrane cleaner:

RoCide® DB5 is normally applied as the first stage of cleaning using solutions of 200-800 mg/l depending on the degree of fouling. The solution is circulated through the membranes for 1-3hours. As RoCide® DB5 is a fast acting biocide the biocide is best added in batches of 200mg/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 yellow liquid |
| pH (2% solution): | 2 – 5 |
| Specific Gravity@20°C: | 1.15±0.05 |

| Packaging Formats | Americas | EMEA |
|-------------------|----------|---------|
| Pails | - | 20 kg |
| Drums | - | 227 kg |
| IBC's (totes) | - | 1090 kg |

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