

BIOCIDE

# RoCide™ IS2

Biocide

## APPLICATIONS

RoCide™ IS2 liquid is a non-oxidizing biocide intended for continuous injection and specifically formulated for reverse osmosis (RO). It is slower acting than some other biocides but is more stable for continuous injection. It is based on a 1.5% isothiazolin mixture. This slow-acting biocide is powerful against microbiological contaminants commonly found in RO applications including bacteria, fungi and algae. It can be used in waters containing high sulfites up to 25 ppm of sulfite or bisulfite.

RoCide IS2 is designed to be fed continuously to RO system feedwaters and may be used alone or in conjunction with RoCide™ DB20. Alternatively, RoCide IS2 can be applied intermittently and is also highly effective as a preservative.

## CONTINUOUS INJECTION

For continuous dosing, RoCide IS2 should be injected into the RO feedstream at an initial dose of 15 mg/l. This dosage should be continued for 1 - 2 weeks. Change the paragraph after 1-2 weeks to "Once the differential pressure of the system shows stable performance the dose can be lowered by 5 ppm. Continue this process for 1-2 more weeks until stable performance is observed. Decrease the dose by 1-5 ppm increments until the lowest dose can be determined that prevents an increase in differential pressure. Microbiological control is generally achieved when the concentrate bacteria counts fall below those found in the feedstream (taking the concentration factor into account).

## INTERMITTENT INJECTION

RoCide IS2 can be applied intermittently at 50 - 100 mg/l for 4 - 6 hours per week.

## PRESERVATION

It is also highly effective for membrane preservation with the above dose controlling biological growth in off-line trains for extended periods.

## CHEMICAL AND PHYSICAL PROPERTIES

CHARACTERISTICS	DATA
Appearance	Clear to pale green liquid
pH (as supplied)	1.5 - 5.0
Specific Gravity (@25°C)	1.0 - 1.1

## PERFORMANCE BENEFITS

- Stable biocide for continuous or intermittent injection that kills a wide range of microorganisms.
- Certified by the U.S. Environmental Protection Agency for use in RO systems.
- Can be used to preserve polyamide membranes.
- Compatible with polyamide and cellulose acetate membranes.
- Can be used on waters with high sulfite/bisulfites.

## PACKAGING AND STORAGE

Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request.

PACKAGING FORMAT	AMERICAS	ASIA	EMEA
Pail	40 lb	20 kg	20 kg
Drum	475 lb	200 kg	200 kg
IBC tote	2200 lb	1000 kg	1000 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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