

PRODUCT & TECHNICAL DATA

Blu X- Inline – BASIC/ALKALINE SPECIALISED SURFACE DESACLENT

TYPE – Specialised BASIC High-Performance Cleaning In Place (CIP) product for Reverse Osmosis Membranes; Process Heat Rejection Systems & Evaporators

Blu X-Inline is a specialized reacted polymer containing polymeric anti-scalents and dispersants. It is designed to remove precipitant due to organic foulants, biological and microbiological slimes and amphoteric metal deposits.

It is also supplied as a unique powder material and reconstituted nominally to a 20-25% solution on a mass: mass basis.

TYPICAL PROPERTIES

Appearance	:	Opaque Straw Liquid
Flash Point	:	Not Applicable
pH neat soln. at 25°C	:	12.5 -13.5
Specific Gravity at 25°C	:	1.20 – 1.25
Solubility in Water	:	Complete
Active Polymers	:	40%

APPLICATION & CONTROL

For cleaning of polyamide reverse osmosis membranes, Blu X-Inline is charged to the reverse osmosis CIP tank water at a nominal rate of 3% to 5% such that the pH range is at 11.5 to 12.5. (Not to be used in Cellulose Acetate membrane types),

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Where heavy deposits are present consider soaking of the membranes in this solution for a period of up to 10 to 18 hours. During cleaning, a circulation flow rate of 2 to 10 m³/hr is required for both 4" and 8" membrane types. Please follow the attached membrane cleaning procedure for best results.

There is a direct test method to determine product residual in these systems.

For cleaning of **HEAT EXCHANGERS & EVAPORATORS** it is recommended that a 5-10% solution be applied either directly or to a respective inorganic alkali being utilized. Ideally if deposits are due to calcium, magnesium and/or oxalate salts, that the alkaline clean be followed by a mild acidic wash and thereafter suitable neutralized and flushed. Please refer to the ROC-Inline product data sheet.

STORAGE AND HANDLING

Blu X-Inline can be stored for up to 24 months from the date of manufacture, in its original, sealed packaging, at room temperature in a dry area. Bags must be kept undercover and out of direct sunlight. This product can be safely stored in plastic type holding tanks designed to manage the specific gravity listed. **Blu X-Inline** must be protected from freezing. Protective clothing such as gloves and goggles should be worn when handling **Blu X-Inline**.

HEALTH AND SAFETY

Blu X-Inline is of low toxicity and any residue monomers present have low toxicity. The product is alkaline and eye contact or prolonged skin contact may cause irritation. Should contact occur, hands should be washed with soap and water and eyes well irrigated for fifteen minutes. Ingestion will induce vomiting and should be treated symptomatically. Spillages must be contained to allow for safe disposal. Avoid direct flushing to storm water drain. Please refer to product SAFETY DATA.

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