

Filtration Chemical

INDION® 2840

Membrane Biocide/Preservative

Application

INDION 2840 is specially formulated for the control of microbiological growth in reverse osmosis systems. INDION 2840 readily dissociates in water by a combination of hydrolysis, photochemical reaction and biological action.

Benefits & Features

- Easy to handle liquid
- Broad spectrum control at low dosages
- Can be used offline or online in RO systems
- No residuals to be maintained
- Compatible with other treatments & most membrane types

Product Specifications

Appearance	:	Bluish green liquid
pH as supplied	:	2.5 - 4.5
Specific gravity	:	1.00 - 1.10
Solubility in water	:	Miscible in all ratios
Flash point	:	Non-flammable

Direction for Use

INDION 2840 should be injected in membrane systems after regular treatment as such or diluted if using online or to be fed in CIP tank to prepare solution for offline cleaning. The dosage and frequency of addition depends upon the severity of fouling, typical dosages are mentioned below:-

Online dosage: INDION 2840 is recommended at a dose level of 30-50 ppm to be dosed online for 4 to 5 hours, once in a week/fortnight in heavily fouled system along with antiscalant.

Routine offline sanitisation: INDION 2840 is normally recommended at a dose level of 300-500 ppm solution strength with product water and a soaking time of 3 to 4 hours.

Long - term Storage: INDION 2840 is recommended at a dose level of 700-750 ppm solution strength with product water for long term preservation of the membranes. It is recommended to replace the solution once in 25-30 days.

Note: This preservation method can only be applied after the membranes have been in operation for a minimum of one month.

Limitations and Handling

As with all industrial chemicals, care should be taken in its handling and use. Keep the container closed when not in use, the product should not be swallowed and prolonged contact with the skin should be avoided. Wear goggles, face shield and rubber gloves while handling the product. For detailed safety precautions please refer MSDS.

Storage, Packaging & Shelf Life

INDION 2840 is available in 30 kg pails/bags, 50/200 Kg drums and 1000 kg IBC. Shelf life of INDION 2840 is one year under normal handling and storage conditions. It is advisable to keep container tightly closed in a cool place.

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