NC 710

Seawater RO Antiscalant

Antiscalant / antifoulant for reverse osmosis membranes



NC 710 is an antiscalant / antifoulant for reverse osmosis (RO) membranes in seawater RO systems. It is supplied as an aqueous solution containing a mixture of polyacrylate and phosphonate.

It is part of the Novachem RO antiscalant range, developed for different feedwater conditions to help minimise mineral scale formation, protect membrane surfaces, and support stable RO system performance.

Product	Document	Use	Manufactured in
NC 710	**Technical Data Sheet**	**Antiscalant / antifoulant for reverse osmosis membranes**	**Umm Al Quwain, UAE**

1 Applications

- Control scale formation in seawater RO systems.
- Protect RO membranes from mineral deposits.
- Maintain stable system performance and higher water recovery.

2 Typical properties

Property	Typical value
Appearance	Clear liquid
Colour	Colourless to yellowish
Odour	Odourless
Specific gravity	1.15 ± 0.05
pH	4.00 – 5.00 ± 0.5
Solubility in water	Complete
Freezing / melting point	-1 °C
Boiling point	100 °C
Flash point	None

Typical values from the NC 710 Safety Data Sheet. Not to be taken as product specifications.

3 Composition

Aqueous solution containing: mixture of polyacrylate and phosphonate (10 – 15 %). The exact chemical identity is withheld as a trade secret.

4 Dosage

Selecting the appropriate antiscalant depends on feedwater characteristics, operating conditions, and system requirements.

Contact Novachem for a dosing recommendation for your system.

5 Packaging

25 L jerrycan as standard.

Other pack sizes are available on customer request.

6 Storage and handling

Handling	Avoid contact with skin and eyes.
Storage	Keep from freezing. Keep away from strong oxidising materials.
Skin	Wear suitable gloves. **Preferred material:** neoprene.
Eyes	Wear eye/face protection. **Preferred type:** close-fitting safety goggles.

7 Safety

No hazard label required.

Refer to the NC 710 Safety Data Sheet for full hazard, first-aid, spill, transport and disposal information before handling the product.

8 Contact

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