

Technical Data Sheet (TDS)

ASA-R 540



Chemical Product

Product Name: ASA-R 540

Use: Disinfecting Cleaner for RO Membrane



Introduction

ASA-R 540 has been developed for the cleaning of reverse osmosis (RO), nano-filtration (NF) and ultra-filtration (UF) membranes. It is formulated based on an anionic surfactant and is highly effective in removing colloidal and other organic matter. ASA-R 540 should always be used as recommended by the membrane manufacturer or equipment supplier, in respect to cleaning pH and temperature.

Advantages:

- Effective removal of organic matter
- High level of active substance
- Liquid product, easy to handle and simple to apply
- Reduces microbial growth and prevents biofouling during normal RO operation.
- Compatible with most polyamide and thin-film composite membranes.
- Enables extended membrane life and reduced frequency of replacement.
- Works effectively in combination with acidic & alkaline cleaners



Dosages:

ASA-R 540 is cleaning solutions are made at 3-5% (by weight) with chlorine-free product water and to give a pH of 10 - 12. It is recommended that warm cleaning solutions are used within the allowances imposed by the membrane manufacturers, and this temperature determines the maximum cleaning pH. It should be fed via a closed feed system.



Typical Properties

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|--------------------|---|--------------------------------------|
| ➤ Appearance | : | Liquid, Amber Color |
| ➤ Specific Gravity | : | 1.05-1.10 |
| ➤ Solubility | : | soluble in all proportions of water. |
| ➤ pH (1%) | : | 6.0-8.0 |



PACKAGING

ASA-R 540 is supplied in P.E drums of 200 kg capacity.



Storage

Keep cool, dry ventilated storage and clean containers.



Shelf Life

Two years in closed drums stored under cover and protected from extremes of temperature.



Performance monitoring

The performance of ASA-R 540 is monitored based on changes in the differential pressure of the RO system after cleaning.

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