

Technical Data Sheet (TDS)

ASA-R 500



Chemical Product

Product Name: ASA-R 500

Use: Acidic Cleaner for RO Membrane

Introduction

ASA-R 500 is a low pH membrane cleaner liquid specifically designed to remove iron fouling and other similar scales from RO and NF membranes. The efficacy of ASA-R 500 can be enhanced by the addition of ASA-R 540 & ASA-R 510 to the RO systems as supplementary steps of the cleaning process. This highly effective product provides superior cleaning resulting in longer system running time.

Advantages:

- Effectively removes inorganic scale deposits such as calcium carbonate, iron oxides, and metal hydroxides from membrane surfaces.
- Restores membrane permeability and improves system recovery rate by eliminating fouling layers.
- Compatible with a wide range of polyamide and composite membranes.
- Helps extend membrane life by reducing the frequency of chemical cleaning cycles.
- Works efficiently at low concentrations, minimizing chemical consumption and cost.
- Low-foaming formula suitable for both manual and automatic cleaning systems.
- Enhances long-term system efficiency and reduces operational downtime

Dosages:

The ASA-R 500 is highly effective when used as a 4-5% (by weight) solution with chlorine-free product water. The duration of the cleaning process depends upon the amount and nature of the fouling to be removed. It should be fed via a closed feed system.

Typical Properties

- | | | |
|--------------------|---|--------------------------------------|
| ➤ Appearance | : | Straw-colored liquid |
| ➤ Specific Gravity | : | 1.15-1.20 |
| ➤ Solubility | : | soluble in all proportions of water. |
| ➤ pH (10%) | : | 2.8-4.0 |

PACKAGING

ASA-R 500 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 500 is monitored based on changes in the differential pressure of the RO system after cleaning.

Address: Unit 1 South ,No 358, North Mofateh Ave, Tehran, Iran.

 Tel: (+98)21 88 75 08 68

 URL: www.ASAChem.ir

 E-Mail: info@ASAChem.ir