

Technical Data Sheet (TDS)

ASA-R 250



Chemical Product

Product Name: ASA-R 250

Use: Antiscalant for Reverse Osmosis (Seawater, LSI>3)

Introduction

ASA-R 250 has been developed as a general- purpose antiscalant for use in Reverse Osmosis and Nano-Filtration membrane systems. ASA-R 250 is active multi-Component chemical, particularly designed for using as dispersing agent in Sea Water and Waste water. It inhibits from deposition and setting mineral scale including Calcium carbonate $[CaCO_3]$, Calcium sulphate $[CaSO_4]$, Strontium sulphate $[SrSO_4]$, Barium sulphate $[BaSO_4]$, Calcium phosphate $[CaPO_4]$ and Calcium Fluoride $[CaF]$, and metal-oxides and other particles on metal surface.

Advantages:

- is highly effective against all common scales, including calcium, barium, strontium sulphate and silica
- has negligible impact on levels of assailable organic carbon (AOC)
- has been proven effective at LSI up to +3.0
- inhibits iron fouling
- has been approved for use in drinking water applications compatible with all membrane types
- can replace acid addition
- will enable membrane systems to operate at their highest possible recovery rates is cost effective

Dosages:

ASA-R 250 should be dosed continuously to the feed water, in the concentrated or diluted form The optimum dose rate for

Typical Properties

➤ Appearance	:	Colorless to yellow
➤ Specific Gravity	:	1.10-1.15
➤ Solubility	:	soluble in all proportions of water.
➤ pH (10%)	:	3.0-5.0

PACKAGING

ASA-R 250 is supplied in P.E drums of 220 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 250 can be monitored by evaluating the amount of deposits on membranes during maintenance operations or by tracking the frequency of membrane cleaning procedures

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