



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

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ORG 75 Membrane Clean MC Acid Cleaner

ORG 75 Membrane Clean MC Acid Cleaner - a highly acidic liquid cleaner developed for effective cleaning of **reverse osmosis (RO)**, **nanofiltration (NF)**, **ultrafiltration (UF)**, and **microfiltration (MF)** membrane systems that are acid-tolerant.

Its formulation is designed to dissolve inorganic scales, metallic hydroxides, and other acid-soluble foulants, restoring membrane performance and extending membrane life.

Key Areas of Application

- Cleaning of acid-tolerant RO, NF, UF, and MF membranes.
- Removal of calcium carbonate, barium sulfate, strontium sulfate, and iron hydroxide scales.
- Preventive maintenance to minimize pressure drop and restore normalized flow.
- Suitable for use in industrial, municipal, and desalination plants.

Features

- **Highly Effective Cleaning** - Rapidly dissolves inorganic scales, carbonate deposits, and metallic hydroxides to restore membrane performance.
- **Low Dosage Requirement (0.4%)** - Achieves excellent results at very low concentrations, reducing chemical consumption and cost.
- **Membrane Compatible** - Safe for use with acid-tolerant RO, NF, UF, and MF membranes within OEM-recommended pH ranges.
- **Extended Membrane Life** - Prevents irreversible fouling, minimizing the need for premature membrane replacement.
- **Operational Efficiency** - Restores normalized flow and reduces pressure drop, improving overall system productivity.
- **Versatile Use** - Effective in industrial, municipal, food & beverage, and desalination applications.
- **Environmentally Safer Option** - Non-flammable formulation, easy to handle and store compared to stronger mineral acids.

Properties

Parameter	Value
Appearance	Clear, colorless to slightly hazy liquid
Odor	Mild, acidic
pH (1% solution)	< 2
Specific Gravity (25 °C)	~ 1.20 - 1.25 g/cm ³
Solubility	Completely miscible in water
Flash Point	Non-flammable
Boiling Point	> 100 °C
Freezing Point	~ -10 °C

Usage Guideline (MINIMUM DOSAGE)

- Use RO permeate or deionized water for dilution.
 - Recommended working concentration: *0.3% - 0.5% v/v (≈ 3 L of RXSOL ORG 75 Membrane Cleaner in 1000 L of water).
- For detailed usage guide link, contact your RXSOL representative.
- *NOTE: Dosage entirely depends on the system condition and heaviness of scale deposit

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