

## RO Membrane Cleaning Chemical

**AQUASOLN R 502** is based on Sodium Lauryl Sulphate, chelatant and specific detergents developed for the cleaning of Reverse Osmosis membranes. **AQUASOLN R 502** is particularly effective for removing inorganic colloids, biofilm and organics based material

The duration of the cleaning process depends upon the amount and nature of the fouling to be removed. Although a cleaning period of one hour may be considered typical, an extended soaking period may be necessary in the case of heavy fouling. Short periods of recirculation are considered good practice for cleaning heavily fouled elements.

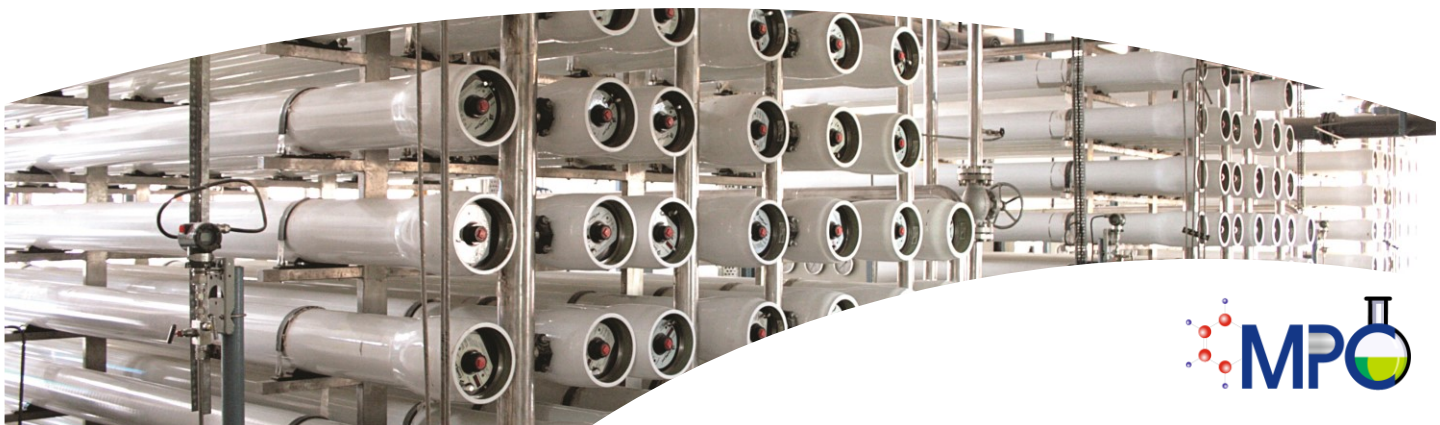
### Benefits:

- Effective for removal of inorganic colloids, biofilms and organics.
- Cost effective.
- Liquid formulation
- Complies with membrane manufacturers recommendation for scales removal

Physical and Chemical Properties	
Appearance	Clear colourless to pale yellow liquid
Specific Gravity	1.10 – 1.15 g/ cm <sup>3</sup>
pH	12 – 13

Typical cleaning solutions are made with chlorine-free product water, and are based on 2 to 5% w/w **AQUASOLN R 502**. The final pH of the mixture limits the temperature at which the cleaning solution may be used, so the membrane manufacturers guidelines must be followed closely.

It is recommended to rinse the membranes after the cleaning process with good quality water to remove residual cleaning solution. When the plant is returned to service the product water must be discarded for the first 15 minutes to ensure that it is free of the cleaning agent.



## Full Range of Membrane Performance Chemical

RO Membrane Chemicals	Aquasoln Range for RO	UF Membrane Chemicals
DCC - Bior	Aquasoln R 102	DCC - UFC - I
DCC - Inor	Aquasoln R 104	DCC - UFC - O
DCC - Col	Aquasoln R 106	DCC - UFC - C
DCC - Stor	Aquasoln R 109	DCC - UFC - S
Doshion - 51 (HS)	Aquasoln R 201	
Doshion - 52 (L)	Aquasoln R 202	
Doshion - 53	Aquasoln R 203	
DoScale - 65	Aquasoln R 500	
Doshion - 6311 - LS	Aquasoln R 501	
	Aquasoln R 502	
	Aquasoln R 503	
	Aquasoln R 504	
	Aquasoln R 505	
	Aquasoln R 601	

EDI Membrane Chemicals	Speciality Chemicals	Resin Cleaners
EDC - SNO - IO - 56	Doshion - 1180	Resiclean 1
EDC - SNO - IO - 74	Doshion - C 8100	Resiclean 2
	Doshion - 3426	Resiclean 3
	Doshion - 9711 (P)	Resiclean 4
	Doshion - 9718 (Z)	

**doshion**<sup>®</sup>  
Translating Source Into Resource

### Doshion Poly Science Pvt. Ltd.

Building Number: 9 – 10, Sigma Corporates,  
Off. Sindhu Bhavan Road, Ahmedabad – 380054, Gujarat, India  
+91 079 – 4800 7766 | [polymers@doshion.com](mailto:polymers@doshion.com) | [www.doshionpoly.com](http://www.doshionpoly.com)

