

## High pH RO Cleaning Chemical

**AQUASOLN R 504** is based on Sodium Lauryl Sulphate, chelatant and specific dispersants developed for the cleaning of Reverse Osmosis membranes. **AQUASOLN R 504** is particularly effective for removing silica based material. **AQUASOLN R 504** should always be used as recommended by the membrane manufacturers

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 silica based scales.
- Cost effective.
- Easy to handle and simple to apply.

| Physical and Chemical Properties |                                |
|----------------------------------|--------------------------------|
| Appearance                       | Clear yellow to orange liquid  |
| Specific Gravity                 | 1.05 – 1.15 g/ cm <sup>3</sup> |
| pH                               | > 12                           |

Typical cleaning solutions are made with chlorine-free product water, and are based on 3 to 5% w/w **AQUASOLN R 504**. 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*

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