

# TECHNICAL BULLETIN



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## MEM CLEAN AS3

### DESCALENT FOR RO MEMBRANES

#### MATERIAL & FUNCTION

**MEM CLEAN AS3** is a de-scalant for reverse osmosis systems, highly effective in controlling both crystallization and particulate fouling of membrane surfaces.

**MEM CLEAN AS3** has excellent calcium tolerance, is thermally stable, an effective dispersant for calcium carbonate. It inhibits the precipitation of calcium scale and stabilizes the reaction products of iron and calcium.

**MEM CLEAN AS3** has compatibility approvals from membrane manufacturers.

#### PRODUCT PROPERTIES

The following are typical properties for **MEM CLEAN AS3** and should not be regarded as specification limits for the product.

Appearance: clear liquid

Odour: none

pH: 11.2 maximum

Solids Content: 50 % w/w

Specific Gravity at 20/20°C: 1.35

Boiling Point Range: 100 to 102°C

Freezing Point Range: 0°C approx

Thermal Stability: Stable under normal operating conditions.

Chemical Reactivity: **MEM CLEAN AS3** is not affected by chlorine or other oxidizing biocides under normal conditions of use. **MEM CLEAN AS3** may be used in membrane systems using chlorine.

#### APPLICATIONS

**MEM CLEAN AS3** is designed for use in reverse osmosis systems producing potable water

#### DIRECTION FOR USE

**MEM CLEAN AS3** is an aqueous solution of tetrapotassium pyrophosphate.

Corrosion resistant dosing equipment is not necessary.

The recommended injection point is into the feedwater upstream of any filtration equipment and cartridge filters.

**MEM CLEAN AS3** is miscible with water in all proportions. It may be applied as the neat product, or as a solution. Mix 30L of **MEM CLEAN AS3** with 170 L hot permeate water to CIP tank. Recirculate for 4 hr, once per month.

## **CAUTION**

*Avoid contact with skin and eyes.*

A Material Safety Data Sheet (MSDS) is available on request.

Classification: Not classified as hazardous or a dangerous good.

## **PACKAGING**

HDPE 15L cube and 200L Mauser

## **IMPORTANT NOTICE TO CUSTOMER**

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***

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