



Product

TECH 4100

Membrane Cleaning Compound.

Benefits

- *Effective for removal of calcium, barium and strontium salts and/or microbial fouling.*
- *Cost effective.*
- *Complies with membrane manufacturers recommendation for scales removal.*

Specification

Appearance	:	White powder.
Density	:	+0.2 – 1.20
Hazard Category	:	BP - Moderately Alkaline Powder

Description

TECH 4100 is based on Sodium Lauryl Sulphate, chelant and specific detergents developed for the cleaning of Reverse Osmosis membranes. **TECH 4100** is particularly effective for removing calcium, barium and strontium based material. **TECH 4100** should always be used as recommended by the membrane manufacturers or OEM's, as compatibility with all membrane types cannot be assumed.

Application

Typical cleaning solutions are made with chlorine-free product water, and are based on 0,5 to 0,8% w/w **TECH 4100**. 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.

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.

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.

Please contact your **TECHCHEM** representative regarding the cleaning of composite membranes.

Packaging

TECH 4100 is available in 20 kg pails, 200 kg plastic drums and 1000 kg containers.



Safety

The solution of this product are moderately alkaline and should be handled with care. Skin and eye contact should be avoided and gloves and goggles should be worn along with protective overalls when handling the product or solution of the product.

Do not store with Category D product.

This product is a powder - a mask should be worn when handling the product in order to prevent the inhalation of dust.

GENERAL SAFETY INSTRUCTIONS:

Ensure that the operator is fully informed and familiar with the use of the product.

Avoid ingestion of the product by mouth and nose. To eliminate the possibility of accidental ingestion, operator should never eat, drink or smoke when using chemicals. In addition, protective clothing should be removed, and the hands washed prior to eating, drinking or smoking.

Store in the original containers and ensure that the cap is always secure.

Do not store in temperatures above 40°C or below 0°C for extended periods.

Do not stack more than two high for prolonged periods.

Avoid storing near direct heat and in direct sunlight.

Store out of the reach of children and away from thoroughfares.

Please refer to the Material Safety Data Sheet for more detailed information.