

# PermaClean PC-98 PLUS



## Benefits

- ▲ Compatible with all types of membranes based on polyamide chemistries.
- ▲ Improves system efficiency by reducing differential pressures and increasing permeate flow rates.
- ▲ Reduces fouling which can result in poor permeate quality, unscheduled down time and loss in production and membrane replacement.
- ▲ Effective membrane cleaner and designed to remove organic and microbiological foulants.

## Uses

- ▲ PermaClean PC-98 PLUS is designed for use in RO systems as cleaning compound.

## Description

- ▲ PermaClean PC-98 PLUS is based on organic chelants and surfactants.

## Dosage

- ▲ Your Nalco representative will recommend the optimum dosage necessary to ensure maximum program performance according to your specific system conditions.
- ▲ The cleaning time depend on the amount of fouling in the system.
- ▲ PermaClean PC-98 PLUS should always be used as recommended by the membrane manufacturer in respect to cleaning pH and temperature.

## Feeding

- ▲ PermaClean PC-98 PLUS should be fed via a closed system.
- ▲ A closed system is defined as a system in which fluid is moved from a closed storage vessel into a treated media without exposure to the atmosphere except through normal venting or pressure relief devices.
- ▲ Before returning the system to service, the operator must ensure that any residual cleaning product is removed from the membrane surfaces by thorough flushing.

## Materials

- ▲ Storage and application equipment ( pumps and lines ) should be made of PVC, PE , Teflon or Stainless Steel.
- ▲ Do not use Aluminum, Brass or Carbon steel in contact with the neat product.

## Handling

- ▲ As a standard precaution with all chemicals we recommend the use of protective equipment such as goggles and rubber gloves when handling chemical products.
- ▲ Consult the Material Safety Data Sheet as the only official source of Environmental and Safety information.
- ▲ The product can be stored at least 12 months from date of shipping if kept in it's original, unopened container and under normal warehouse conditions.
- ▲ Protect from freezing and from exposure to high temperatures.

## Notes

- ▲ PermaClean PC-98 PLUS is available in non-returnable containers and PORTA-FEED's of different sizes.
- ▲ If you need more information on this product, please call your nearest Nalco representative.



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