



# PERMATREAT<sup>®</sup> PC-1020T

RO MEMBRANE ANTISCALANT.

## **Benefits**

Has been approved by NSF for potable treatment applications.  
Highly effective scale inhibitor across broad spectrum of water qualities.  
Minimizes carbonate and sulphate scaling and cleaning costs.  
Replaces the need for acid dosing in many applications.  
Compatible with all types of membranes based on polyamide chemistries.  
Effective iron sequestrant.  
More stable and effective than sodium hexametaphosphate and most polymeric antiscalants.

## **Uses**

PermaTreat PC-1020T is designed for use in RO systems as antiscalant.  
It contains patented TRASAR for optimum control on dosage to protect the system against under and overdosing.

## **Description**

PermaTreat PC-1020T is a threshold agent able to stabilize a wide range of super saturated salt solutions.  
PermaTreat PC-1020T contains TRASAR for improved reliability of scale control by assuring consistent dosing.

## **Dosage**

The required dosage of PermaTreat PC-1020T will depend on water chemistry and site specific parameters.  
Your Nalco representative will recommend the optimum dosage necessary to ensure maximum program performance according to your specific system conditions.  
To determine the optimum product dosage for your system, it is recommended that you use the PermaCare<sup>®</sup> RO11 chemical projection computer program.

## **Feeding**

PermaTreat PC-1020T 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.  
PermaTreat PC-1020T should be fed continuously to minimize precipitation of scale and fouling of RO and nano-filtration membranes. It is recommended to operate the dosing pump with the highest possible frequency and to adjust the dosage by adjusting the pump stroke to ensure membrane protection.

## **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.

## **Remarks**

PermaTreat PC-1020T 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.

## **Additional Info**

PermaTreat , TRASAR and PORTA-FEED are registered trademarks of Nalco Company