## Description

Genesol 704 has been developed as a general-purpose cleaner for an wide range of organic based foulants found in R.O. and N.F. membrane systems.

Genesol 704 is particularly effective against aluminium silicate, which can be difficult to remove with conventional cleaners. It is also effective against most micro-organisms such as bacteria, fungi and algae.

## Application

Genesol 704 should be used as a 1 - 2% solution at a stabilized pH 11.8 – 12.3 in membranes with ‘light’ organic fouling. Genesol 704 should be alternately soaked and recycled through the membrane system for 2 – 4 hours at ~5°C above ambient water temperature; cleaning with warm solutions considerably improves the cleaning performance. After cleaning, the membrane system should be thoroughly flushed, until the pH values of the feed and the discharge are the same. Cleaning solutions using Genesol 704 have a tendency to foam.

Genesol 704 is readily soluble in water. Solutions of Genesol 704 should be used immediately after preparation.

## Health and Safety

Genesol 704 is a powder blend of mixed cleaners, including a surfactant, a biodegradable sequestrant, an inorganic phosphate and a rapidly deactivated biocide. It is compatible with carbon steel and commonly used construction materials found in membrane plants and CIP installations.

Protective clothing should be used. A material safety data sheet is available on request.

## Classification

CHIP: Corrosive | UN: Corrosive

## Packaging

Available in 10 kg and 25 kg UN approved plastic pails.

Under normal storage conditions the shelf life of Genesol 704 is 1-2 years. Ensure the drums are sealed after use and the Genesol 704 remains dry.

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### Typical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>pH of a 2% solution</td>
<td>~12.2</td>
</tr>
<tr>
<td>Bulk density</td>
<td>~1.3-1.4</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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The information provided in this data sheet is believed to be true and accurate.

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