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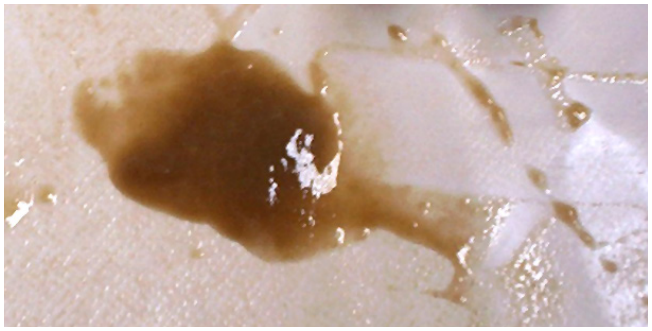
GENESYS INTERNATIONAL

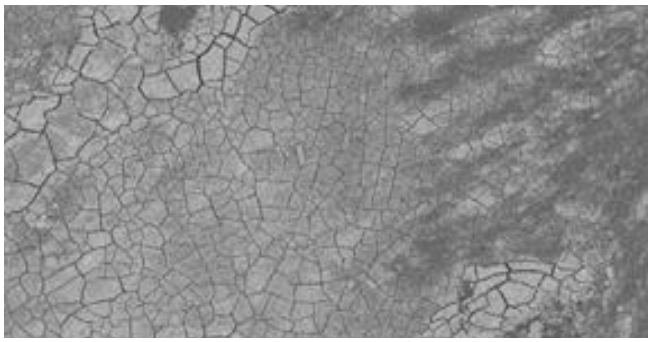
Product data Sheet

# Genesol 704 - Microbubble Technology
# Membrane Cleaner (Alkaline Powder)

**Genesol 704 has been developed as a general-purpose cleaner for a wide range of organic based foulants found in Reverse Osmosis and Nano-filtration 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.**



Effectively removes membrane biofilms



Effective against Aluminium Silicate

- ✓ Suitable for use in Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Removes most organic deposits
- ✓ Cost effective powdered product
- ✓ Compatible with all polyamide membranes
- ✓ Removes aluminium silicate
- ✓ Effective against a wide range of biofilm
- ✓ NSF listed

## Application

Genesol 704 should be used as a 1 - 2% solution at a stabilized pH of 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; 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 of Genesol 704 will have a tendency to foam. Genesol 704 contains bubble generating technology to gently agitate and lift membrane foulants away from the surface increasing cleaning efficiency

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 materials of construction found in membrane plants and CIP installations.

Protective clothing should be used. Observe all safety precautions shown in the material safety data sheet, available on request.

## Packaging

Available in 10 kg and 25 kg plastic pails and also in 25 kg and 1,000 kg bulk bags. Under normal storage conditions the shelf life of Genesol 704 is 1-2 years. Ensure the packaging is sealed after use and the Genesol 704 remains dry.

## Typical properties

| | |
|---|---|
| Appearance: | white powder |
| pH of a 1% solution: | ~12 |
| Bulk density: | ~1.3 - 1.4 g/cm$^2$ |
| Freezing point: | not applicable |

The information provided in this data sheet is believed to be true and accurate. Genesys International Ltd. accepts no product liability as the use of its products are outside the company's control.

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