

# Genesol UF 7

## Neutral pH U.F. Membrane Cleaner for CIP Organic & Inorganic Deposit Removal

Genesol UF 7 is a neutral pH cleaner ideally suited for the removal of organic & inorganic foulants from Ultra-filtration membranes, particularly where the use of low & high pH cleaners may be limited due to Health and Safety or effluent disposal restrictions.

Over time, and despite repeated backwashing followed by Chemically Enhanced Backwashing, (CEB) cycles, residues of fouling will accumulate on and within the material matrix of U.F. membranes degrading both the Flux and the hydraulic efficiency of the units. It is therefore necessary to recover performance by conducting planned maintenance Membrane Cleaning, (CIP) with membrane compatible cleaning products specifically formulated for this purpose.

For such cleaning to be effective, the cleaners must contribute different modes of action from the simple commodity chemicals typically used during CEBs. Therefore, Genesys have created specific products to tackle accumulative resistant fouling which will restore Flux and reduce TMP.

### Application

Genesol UF 7 should be used as a 1-2% solution v/v of CIP solution and should be alternately soaked and recycled through the membrane system for 3-4 hours. Working with enhanced temperature will also improve the cleaning performance. For heavily fouled systems the cleaning period can be extended, including overnight soaking. For a detailed cleaning programme please contact Genesys International Ltd.

After cleaning, the membrane system should be thoroughly flushed with permeate.

Genesol UF 7 can be diluted and is fully miscible with water in all proportions.

### Health and Safety

Genesol UF 7 is a blend of organic acids & chelating agents with inhibitors to protect metal surfaces during cleaning. It is compatible with carbon steel and commonly used materials of construction.

Observe all safety precautions shown in the material safety data sheet, available on request.

### Packaging

Available in 25 kg kegs, 220 kg drums and 1100 kg IBC.

The 'shelf life' is 2 years under normal storage conditions.



Removes organic fouling

- ✓ Gentle neutral pH cleaner less aggressive to membrane surfaces
- ✓ Compatible with all membrane materials
- ✓ Effective against organic deposits including biofilm
- ✓ Removes iron and calcium based deposits
- ✓ Removes clay and colloidal compounds
- ✓ No neutralization required
- ✓ Cost effective low dose treatment

### Typical properties

Appearance:	pale liquid
pH as supplied:	7.0 – 7.8
Specific gravity:	1.09 – 1.12
Freezing point:	-3°C

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.