

# Genesol 38

## Acidic Membrane Cleaner

Genesol 38 has been developed as an inorganic scale cleaner and iron deposit remover for use in Reverse Osmosis and Nano-filtration membrane systems. Used at the right concentration, its self-adjusting pH ensures highest solubility of iron salts is achieved. Genesol 38 has been approved for use in drinking water applications.

### Application

Genesol 38 is highly effective when used as a 3-4% solution and alternately soaked and recycled through the membrane system for 1-2 hours. When using Genesol 38, the cleaning solution pH will stabilise at pH 3.7. If the pH increases above pH 4.2 during the cleaning process, the solution should be discarded and replaced with a fresh solution. It is recommended that the membranes be cleaned at 25-30°C. Membrane manufacturers guidelines should be followed at all times.

After cleaning, Genesol 38 cleaning solutions should be neutralised to pH 6-8 with an alkaline solution before discharge, as the presence of low pH solutions can be damaging to concrete and cement lined discharge pipes. Before returning the plant to service, the membrane system should be thoroughly flushed, until the pH values of the feed and the discharge ends of the system are the same. The product water conductivity may initially be high but will revert to normal after a few hours operation.

Genesol 38 can be diluted and is fully miscible with water in all proportions.

### Health and Safety

Genesol 38 is an aqueous solution of stabilised ammoniated citric acid combined with a non-ionic biodispersant that is classified as non-toxic. It is corrosive to carbon steel therefore all chemical tanks, pumps and pipework must be made from acid-resistant materials.

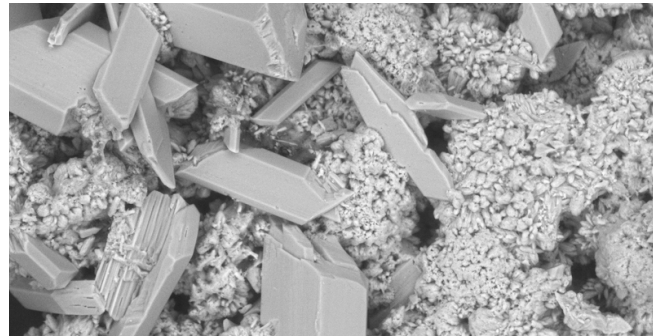
Observe all safety precautions shown in the material safety data sheet, available on request.

### Packaging

Available in 25 kg kegs, 250 kg drums and 1,200 kg IBCs. Shelf life is 2 years under normal storage conditions. Protect from frost.

### Typical properties

Appearance: colourless liquid  
pH as supplied: 3.5 – 4.0  
Specific gravity: 1.17 - 1.20  
Freezing point: - 0°C



Removes Inorganic Scale



Removes Iron Deposits

- ✓ Suitable for use in Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Effective against inorganic deposits
- ✓ Preferred product for removing iron deposits
- ✓ Self adjusting pH ensures optimum solubility of iron salts
- ✓ Approved for use in drinking water applications (UKDWI)
- ✓ Compatible with both polyamide and cellulose acetate membranes
- ✓ Effective against aluminium based foulants
- ✓ NSF listed

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.