

# Genesol 38

## Acidic Membrane Cleaner

**G E N E S Y S**  
**I N T E R N A T I O N A L**

[www.genesysro.com](http://www.genesysro.com)

**The Complete Solution**

### 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
- ✓ Drinking water approval from NSF and UKDWI
- ✓ Compatible with both polyamide and cellulose acetate membranes
- ✓ Effective against aluminium based foulants

### Typical properties

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

### Description

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

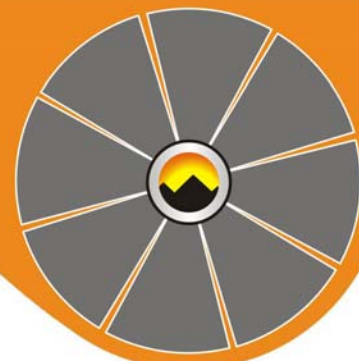
Genesol 38 is an aqueous solution of stabilised ammoniated citric acid combined with a non-ionic biodispersant that is classified as non-toxic. It is corrosive to carbon steel therefore all chemical tanks, pumps and pipe-work must be made from acid-resistant materials. A material safety data sheet is available on request.

### Classification

CHIP: Not Classified | UN: Non Hazardous

### Packaging

Available in 25 kg kegs, 250 kg drums and 1200 kg IBCs. Shelf life 2 years under normal storage conditions.



### For more information contact:

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