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GENESYS INTERNATIONAL

Product data Sheet

Genesol 721 - Acidic Membrane Cleaner
Removes Metal Oxides and Inorganic Scales

Genesol 721 is a low foaming, multi-component, powder cleaner for membrane systems. It is designed to reduce differential pressure, increase flux and improve salt rejection. The blend of chelating acids removes oxides of iron and manganese plus calcium carbonate scale. It is also effective in removing other metallic foulants such as aluminium.

Removes iron and other metal oxide fouling

Removes inorganic scales

- ✓ Suitable for reverse osmosis (RO), nano-filtration (NF) and ultra-filtration (UF) membranes
- ✓ Effective against inorganic scales
- ✓ Removes iron and calcium based deposits
- ✓ Effective against aluminium based foulants
- ✓ Cost effective low dose treatment

Application

Genesol 721 is highly effective when used as a 1% -2% solution with alternating cycles of circulation and soaking for periods of 2 - 3 hours. The high ionic strength solution creates osmotic effects which attract permeate back through the membrane helping to break up and release deposits from the surface and so enhance the chelating action.

After cleaning, the membrane system should be flushed with chlorine-free permeate water until reaching neutral pH.

Genesol 721 is readily dissolved in water.

Health and Safety

Genesol 721 is a complex of chelating acids and osmotic agents which is classified as non-toxic. Low pH solutions are corrosive against carbon steels and concrete so pumping equipment, piping and storage tanks must be constructed of acid-resistant materials. Observe all safety precautions detailed in the Material Safety Data Sheet which is available upon request.

Packaging

Available in 25 Kg Pails and 1,000 Kg bulk bags.

The shelf life of Genesol 721 is 2 years under normal conditions. Ensure the packaging remains sealed and the Genesol 721 remains dry.

Typical properties.

Appearance:	white powder
pH of a 1% solution:	<2.0
Bulk density:	1.3 – 1.4g/cm^3
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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