



**HATENBOERWATER**

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## HDC-ACD-001

### Acidic membrane cleaner

Art. nr.: 0920-HDACD01

#### General information

HDC-ACD-001 is an inorganic scale cleaner and iron deposit remover for use in reverse osmosis and nanofiltration membranes. HDC-ACD-001 is also effective against aluminium based foulants. HDC-ACD-001 has a self-adjusting pH which ensures the most optimal solubility of iron salts and can be used with both polyamide and cellulose acetate membranes. HDC-ACD-001 has been approved for use in drinking water applications and is approved for use by the major membrane suppliers.

#### Product properties

**Appearance:** clear straw coloured liquid  
**Density:** (20°C) 1.19 kg/dm<sup>3</sup>  
**pH as supplied:** 3.8

#### Dosage

HDC-ACD-001 is highly effective when used as a 3-4% solution which should be soaked and recirculated around the system for a minimum of 1-2 hours. When using HDC-ACD-001, the cleaning solution will stabilize at pH 3.7. If the pH increases above pH 4.2 during the cleaning process, the solution should be discarded and replaced by fresh a solution. It is recommended that membranes should be cleaned at 25-30°C. After use HDC-ACD-001 should be neutralized to pH 6-8 with sodium hydroxide before discharged. The membrane manufacturer's guidelines with respect to pH and temperature should be complied with at all times.

#### Safety precautions

HDC-ACD-001 is an aqueous solution of a stabilized ammoniated citric acid combined with a non-ionic bio dispersant. From acute studies HDC-ACD-001 has been classified as non-toxic. A material safety data sheet is available on request.

#### Classification

**CHIP Classification:** non-hazardous  
**U.N. Classification:** non-hazardous

#### Packaging

HDC-ACD-001 is available in cans of 25, 10 and 1 ltr.



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