

FEROCLEAN N 404

DEMULSIFYING INDUSTRIAL CLEANER, SALT-FREE

DESCRIPTION

FEROCLEAN N 404 is a water-based, salt-free, neutral cleaner for high pressure applications. It is suitable for cleaning components made of steel, cast iron, yellow metals, aluminium and magnesium alloys.

FEROCLEAN N 404 consists of non-ionic and ionic surfactants, rust preventives and inhibitors.

FEROCLEAN N 404 is particularly recommended for high pressure cleaning plants. It provides very good wetting properties on the surface of the components, with low foam formation. FEROCLEAN N 404 shows excellent dirt removing and demulsifying properties.

Due to the modern formulation FEROCLEAN N 404 is formaldehyde-free but shows very good long term stability compared with other cleaners. FEROCLEAN N 404 is formulated without silicates, boron and hard complexing agents (e.g. EDTA or NTA). FEROCLEAN N 404 does not leave a diffusion inhibiting layer so is suitable for pre heat treatment cleaning.

For preparing the cleaning solution we recommend heating the water to working temperature before adding the concentrate to a well agitated area of the system. For optimum performance and rinsing we recommend using demineralised water. Typical concentrations are 1 - 5 %, with an operating temperature in the range of 40 - 70 °C. In high pressure applications FEROCLEAN N 404 is usable without foam.

PHYSICAL DATA

Appearance/20 °C (visual)	clear, yellow liquid*
Density/20 °C (DIN 51659-2)	approx. 1.058 g/cm ³
Viscosity/20 °C (DIN 51659-2)	approx. 8.4 mm ² /s
pH value/20 °C (DIN 51369) 3 % in DI-water	approx. 9

* The color is affected by the storage conditions. It does not affect the product quality or performance.

FACTORS FOR THE DETERMINATION OF CONCENTRATION

(concentration [%] = consumption ml hydrochloric acid x factor):

- Titration of a 10 ml sample with 0.1 N HCl up to pH 4, factor: 0.55
- Titration of a 10 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 2.75
- Titration of a 50 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 0.55
- Titration of a 10 ml sample with 0.1 N HCl with methyl orange from yellow to red, factor 0.55
- Titration of a 10 ml sample with 0.1 N HCl with bromocresol green from blue to yellow, factor 0.55
- Refractometer factor: 2.5 (concentration [%] = reading x factor)

STORAGE

FEROCLEAN N 404 must be stored in a frost free environment, ideally above 5 °C. Always observe the use by date on containers.

BENEFITS

- salt-free
- usable for many metals
- low foaming at high pressure
- without formaldehyde, silicate and boron
- very good wetting properties
- without hard complexing agents

APPROVALS

- ABB Robotics
- Corpac Deutschland GmbH
- SensAction AG
- SITA Messtechnik
- EXCOR VCI products
- Hammelmann Pumps for all types of gaskets and seals
- INTERCEPT Technology (PE-LD)
- LPW: Cyclic Nucleation process (CNP)
- fulfills DBL 6575, suppl. 5
- GMC, PMRV-499-MRF

Only valid in combination with EC Safety Data Sheet

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied since the use of our products is beyond our control. Statements concerning the use of PETROFER products are not to be construed as recommending the infringement of any patent.



Only valid in combination with EC Safety Data Sheet

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied since the use of our products is beyond our control. Statements concerning the use of PETROFER products are not to be construed as recommending the infringement of any patent.

www.petrofer.com