

FEROCLEAN N-SF PLUS

NEUTRAL CLEANER

DESCRIPTION

FEROCLEAN N-SF PLUS is based on the proven formulation of FEROCLEAN N-SF. In order to improve this product's good oil separation, FEROCLEAN N-SF PLUS additionally contains a demulsifier which does not result in any changes regarding the chemical and physical properties.

FEROCLEAN N-SF PLUS is a water based neutral cleaner with temporary corrosion prevention. It is free from phosphate and nitrite as well as being tolerant to high water hardness.

FEROCLEAN N-SF PLUS consists of non-ionic surfactants, rust preventive inhibitors and hard water stabilisers.

FEROCLEAN N-SF PLUS is suitable for the cleaning of work pieces made steel and non-ferrous metals in immersion and spray washing systems. FEROCLEAN N-SF PLUS is especially suitable for cleaning operations prior to heat treatment, as the chemistry will not leave any residues interfering with diffusion processes.

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. Typical concentrations are 1.0 - 3.0 %. We recommend the use of demineralised water. The working temperature is between 50 - 80 °C. In this range FEROCLEAN N-SF PLUS solutions do not produce any foam. Therefore, spray washing machines should not be put into use before the working temperature is reached.

BENEFITS

- Suitable even with high water hardness
- Phosphate and nitrite free
- Does not leave diffusion inhibiting layers
- Nearly foam free from 50 °C

PHYSICAL DATA

Appearance/20 °C (visual)	clear, yellowish to reddish liquid *
Density/20 °C (DIN 51659-2)	approx. 1.057 g/cm ³
pH value/20 °C (DIN 51369) concentrate	approx. 9.4
pH value/20 °C (DIN 51369) 3 % in DI-water	approx. 9.0

* 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: 0.60
- Titration of a 10 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 3.00
- Titration of a 50 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 0.60
- Titration of a 10 ml sample with 0.1 N HCl with bromocresol green from blue to yellow, factor 0.60
- Refractometer factor: 2.4 (concentration [%] = reading x factor)

STORAGE

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

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.