

FEROCLEAN N 610

HIGH PRESSURE CLEANER WITH EXCELLENT DEMULSIFYING PROPERTIES

DESCRIPTION

FEROCLEAN N 610 is a water based cleaner suitable for high pressure applications, even > 800 bar, with good temporary corrosion prevention properties. It is free from anionic and non-ionic surfactants.

The product shows outstanding demulsifying properties. It works almost foam free and is particularly suitable for cleaning components made of steel, stainless steel, aluminium, cast iron as well as yellow metals. FEROCLEAN N 610 can also be used as a cleaning fluid for plastic parts, but spot testing is recommended first to check for sensitivity of the material.

The cleaner is formaldehyde free but shows very good long term stability compared to other cleaners. Importantly, FEROCLEAN N 610 is formulated without boron and silicon compounds as well as without hard complexing agents such as EDTA or NTA.

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 0.5 - 5.0 %, with an operating temperature in the range of 20 - 80 °C. Even at low concentrations a good level of corrosion prevention is achieved.

FEROCLEAN N 610 is not suitable for use in cleaning baths for removing nitrate containing quenching or tempering salts.

PHYSICAL DATA

Appearance/20 °C (visual)	clear, yellowish to reddish liquid*
Density/20 °C (DIN 51659-2)	approx. 1.076 g/cm ³
Viscosity/20 °C (DIN 51659-2)	approx. 16.0 mm ² /s
pH- value/20 °C (DIN 51369) 2 % in DI-water	approx. 9.7
COD (ISO 15705) 2 % in DI-water	approx. 19,700 mg O ₂ /l

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

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: 0.32
- Titration of a 10 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 1.60
- Titration of a 50 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 0.32
- Titration of a 10 ml sample with 0.1 N HCl with bromocresol green from blue to yellow, factor 0.32
- Refractometer factor: 1.9 (concentration [%] = reading x factor)

HANDLING AND STORAGE

FEROCLEAN N 610 must be stored in a frost free environment, ideally above 5 °C. Always observe the use by date on containers.

BENEFITS

- Cleaning and deburring in one step
- Excellent demulsifying properties
- Free from anionic and non-ionic surfactants
- Low foaming at high pressures, > 800 bar
- Suitable for steel, cast iron, aluminium, yellow metals, even plastics
- Easy to use
- Free from formaldehyde and hard complexing agents

APPROVALS

- Hammelmann Pumps with labyrinth seals and packed glands
- ABB Robotics
- SensAction AG
- SensoTech
- EXCOR VCI products
- INTERCEPT Technology (PE-LD)
- Fulfills DBL 6575, Suppl. 5
- Fulfills DBL 6570, Suppl. 10

Only valid in combination with EC Safety Data Sheet

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