

FEROCLEAN N 502

INDUSTRIAL CLEANER FOR IMMERSION, SPRAY AND US APPLICATIONS

DESCRIPTION

FEROCLEAN N 502 is a water soluble, salt containing cleaner for immersion, spray or ultrasonic applications in manufacturing industry. It is suitable for cleaning components made of cast iron, steel, stainless steel, yellow metals and aluminium. FEROCLEAN N 502 leaves a temporary corrosion protection on the washed pieces.

FEROCLEAN N 502 consists of non-ionic and ionic surfactants, rust preventative additives, inhibitors and alkali phosphates.

FEROCLEAN N 502 is used for the cleaning of work pieces in immersion, spray or ultrasonic applications. After rinsing it does not leave diffusion impeding layers before heat treatment. FEROCLEAN N 502 has a demulsifying effect.

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 we recommend using demineralised water. Typical concentrations are 2 - 5 %, with an operating temperature in the range of 60 - 70 °C.

For the determination of water hardness indicator strips cannot be used because of the contained phosphates.

BENEFITS

- Foam-free from 60 °C
- Specially developed for combination cleaning processes
- Suitable for cast iron, steel, stainless steel, yellow metals and aluminium

APPROVALS

- Corpac Deutschland GmbH
- SensAction AG
- SITA Messtechnik
- INTERCEPT Technology (PE-LD)
- Hammelmann GmbH (test approval)
- LPW: Cyclic Nucleation process (CNp)
- Fulfills DBL 6575, suppl. 5

PHYSICAL DATA

Appearance/20 °C (visual)	clear to slightly hazy, light yellow liquid
Density/20 °C (DIN 51659-2)	approx. 1.097 g/cm ³
pH value/20 °C (DIN 51369) 2 % in DI-water	approx. 10.0

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: 0.76
- Titration of a 10 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 3.80
- Titration of a 50 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 0.76
- Titration of a 10 ml sample with 0.1 N HCl with bromocresol green from blue to yellow, factor 0.76
- Refractometer factor: 4.2 (concentration [%] = reading x factor)

STORAGE

FEROCLEAN N 502 must be stored in a frost free environment, ideally above 5 °C. Always observe the use by date on containers.