

FEROCLEAN A 285

INDUSTRIAL CLEANER

DESCRIPTION

FEROCLEAN A 285 is a water dilutable, salt-free, neutral cleaner. It has superior demulsifying properties and is suitable for cleaning operations on cast iron and steel both in production and heat treatment processes. It can also be used following suitability testing on yellow metals and aluminium alloys. Sensitive metals should be tested in conjunction with our technical service department.

The product is formulated with both ionic and non-ionic surfactants, rust preventing inhibitors. FEROCLEAN A 285, by having a low chloride content, is characterized by good corrosion prevention.

FEROCLEAN A 285 has been designed to be used for cleaning and degreasing of work pieces in spraying, dipping or ultrasonic processes. It does not leave any diffusion inhibiting layers prior to heat treatment and is especially suitable for cleaning parts after machining operations using emulsion type coolants.

BENEFITS

- Excellent demulsifying properties
- Good temporary corrosion prevention
- Low chloride content
- Good thermal stability of the surfactant

APPROVALS

- SensAction AG
- SITA Messtechnik
- INTERCEPT Technology (PE-LD)
- Fulfills DBL 6575, Suppl. 5

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 it is best using demineralized water. Typical concentrations are 1 – 5 %, the working temperature for spray applications is in the range of 60 - 80 °C, immersion applications are possible from 50 °C.

PHYSICAL DATA

Appearance/20 °C (visual)	clear, light yellow liquid*
Density/20 °C (DIN 51659-2)	approx. 1.049 g/cm ³
pH value/20 °C (DIN 51369) 3 % in DI water	approx. 10.2
Conductivity/20 °C (DIN EN 27888) 3 % in DI water	approx. 1416 µS/cm
Conductivity /20 °C (DIN EN 27888) 3 % in 10 °dH water	approx. 1740 µS/cm

* 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: 0.26
- Titration of a 10 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 1.30
- Titration of a 50 ml sample with 0.5 N HCl with methyl orange from yellow to red, factor 0.26
- Titration of a 10 ml sample with 0.1 N HCl with bromocresol green from blue to yellow, factor 0.26
- Refractometer factor: 2.3 (concentration [%] = reading x factor)

HANDLING AND STORAGE

FEROCLEAN A 285 must be stored in a frost-free environment.

Always observe the use by date on containers.

Only valid in combination with EC Safety Data Sheet

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