

TECHNICAL INFORMATION

CLEANER FL-C

Spray cleaner

Product description: Liquid, very well demulsifying mildly alkaline spray cleaner for degreasing and passivating of ferrous metals.

CLEANER FL-C is perfectly suited for application in the pre- and intermediate cleaning at heat treatment shops where great amounts of oil are expected.

- good passivation
- foam-free above 38°C
- very quick oil separation
- free of secondary amines
- free of phosphates, silicates and silicones
- does not form blocking layers against diffusion processes

Application:

Concentration: 3 to 5%

Temperature: 35 to 70°C

The pH of the solution has to be monitored and adjusted above 9.3 by addition of **CLEANER FL-C** to ensure the passivating effect for iron.

If the cleaning power decreases or there appears foam caused by oil the solution can be rebuilt generally by addition of 1% **CLEANER FL-C**.

Specifications:

Density at 20°C: 1.0 – 1.1 g/cm³

pH value (10 g/l) at 20°C: about 9.8

Major ingredients:

Surfactants, neutralized organic acids, and corrosion protection components.

Concentration monitoring:

Dilute 50 ml cleaner solution by about 100 ml of demineralised water. Add 2 to 3 drops methyl-orange solution and titrate with 0.1N hydrochloric acid from yellow to reddish.

Used ml hydrochloric acid X 0.6 = % CLEANER FL-C

When using these products, all applicable safety regulations for the use of chemicals must be observed. For storage information, danger specifications, and safety regulations, please refer to the applicable safety data sheets. Application solutions and product remnants must be discarded in compliance with official regulations. The information given reflects our previous experience. With regard to varying operational conditions, this information is noncommittal and to be used as advice only. Therefore, we assume no liability whatsoever, including claims from third parties.

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Page 1 of 1

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