

UNICLEAN 291

Application

Uniclean 291 is formulated as a general-purpose product. Thanks to its special and unique combination of emulsifiers and wetting agents, this product is applicable as electro-cleaner and in soak operations. The first application must however be emphasized.

Uniclean 291 has been designed in such a way that it can be used with out any problem in areas with hard water.

A solution of Uniclean 291 remains clear, even in very hard water, without noticeable effect on the detergency.

Uniclean 291 removes all kinds of mill-oils and grease from steel and alkali resistant metals. As cathodic cleaner it is also possible to remove polishing compound residue.

Notes :

- 1) The last step of the cleaning cycle should be anodic cleaning.
- 2) Time of anodic cleaning should be equal to or longer than the time of cathodic cleaning, if any.

Description:

Uniclean 291 is a strong alkaline product containing a.o. caustic soda and silicates. The surfactants used are very stable even at high electrolyte concentration and at high temperature. Moreover, these components are not sensitive to hard water salts.

A solution of Uniclean 291 has a high conductivity, allowing effective cleaning when used as electro-cleaner. In this case a thin, uniform foam blanket is formed which prevents irritating spray and vapour.

Control Procedure:

Cool a 10 ml sample to room temperature and add a few drops of methylorange. Titrate 0,5 N acid to pink endpoint.

Calculation:

$$\text{ml of N acid} \times 2,5 = \dots \text{ g/l Uniclean 291}$$

Operating Conditions:

Material	Current density	Concentration pro 100 l	Temp.	Time
Iron/Steel	4 - 10 A/dm ²	4 - 15 kg	40 - 80 °C	cath. :1/2-3min anod.:1/2-5min