

SurTec® 134

Recyclable Ultrasonic Cleaner

Properties

- alkaline powder for soak-, ultrasonic- and spray cleaning
- free of silicates and surfactants
- in combination with SurTec 089 recyclable via cross-flow filtration or separator
- emulsifying in combination with SurTec 415
- applicable as spray cleaner with SurTec 086
- suited for steel, conditionally suited for aluminium, brass etc.

Application

In combination with detergent boosters, SurTec 134 is suitable for cleaning in soak-, ultrasonic- and spray application. Oil, grease and pigments are removable without problems.

make-up values: 1.5-5 % SurTec 134
+ 0.2-1.0 %vol detergent booster

temperature: 40-90°C

application time: 0.5-10 min

For temporary corrosion protection rinse the steel parts after cleaning and degreasing process in 0.3 % hot SurTec 134 solution.

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 134 regularly. Dosage according titration or conductivity is possible.

Sample Preparation

Take a sample at a homogeneously mixed position. Let it cool down to room temperature. If the sample is turbid, let the turbidity settle down and decant or filter the solution.

SurTec 134 – Analysis by Titration

reagents: 0.1 N hydrochloric or sulfuric acid
indicator: methyl orange solution (0.04 %)

procedure: 1. Pipette 5 ml bath sample into a 250 ml Erlenmeyer flask.
2. Dilute to approx. 100 ml with deionised water.
3. Add 3 drops of indicator.
4. Titrate with 0.1 N acid from yellow to red.

calculation: consumption in ml · 0.258 = %vol SurTec 134

Technical Specification

(at 20°C)	Appearance	Bulk density (kg/l)	pH-value (at 10 g/l)
SurTec 134	powder, white	approx. 0.800	approx. 12

Ingredients

- phosphates

Stock Keeping

In order to prevent delays in the production process, per 1,000 l bath the following amount should be kept in stock:

SurTec 134	50 kg
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Product Safety and Ecology

The safety instructions and the instructions for environmental protection have to be followed in order to avoid hazards for people and environment. The Material Safety Data Sheets (according to European legislation) contain explicit details for this.

The following hazard designations and classifications into water hazard classes (WHC) have to be taken into account:

<u>product</u>	<u>hazard designation</u>	<u>water hazard class</u>
SurTec 134	Xi - Irritant	WHC 1

Warranty

We are responsible for our products in the context of the valid legal regulations. The warranty exclusively accesses for the delivered state of a product. Warranties and claims for damages after the subsequent treatment of our products do not exist. For details please consider our [general terms and conditions](#).

Further Information and Contact

In our forum, you can discuss topics of the surface technology:

<http://forum.SurTec.com/>

If you have any questions concerning the process, please contact your local technical department: <http://SurTec.com/International.html>