

SurTec® 131

Liquid Recyclable Builder

Properties

- for soak, ultrasonic and spray cleaning
- neutral cleaner
- free of silicates and detergents
- in combination with SurTec 089 recyclable via cross-flow-filtration or separator
- emulsifying in combination with SurTec 415
- in combination with SurTec 084 or SurTec 086 applicable as spray cleaner
- suitable for steel, aluminium, brass etc.

Application

In combination with detergent boosters, SurTec 131 is suitable for cleaning in soak, ultrasonic and spray application. Oil, grease and pigments are removable without problems.

Because of the high density of this product the make-up by weight has to be calculated carefully: 1 kg SurTec 131 = 0.813 l SurTec 131

make-up values: 2.5-8 %vol SurTec 131
+ 0.3-1 %vol detergent booster

temperature: 40-90 °C

application time: 0.5-10 min

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 131 regularly.

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 131 – Analysis by Titration

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

procedure: 1. Pipette 20 ml bath sample into a 250 ml Erlenmeyer flask.
2. Dilute with deionised water to approx. 100 ml.
3. Add 3 drops of indicator.
4. Titrate with 0.1 N acid from yellow-orange to red.

calculation: consumption in ml · 0.325 = %vol SurTec 131

Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 131	liquid, colourless	1.276 (1.25-1.30)	7 (6-8)

Ingredients

- phosphates
- potassium tetraborate

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 131 Builder 60 kg

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 131	-	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>