

SurTec® 103

Liquid Cleaning Concentrate

Properties

- highly concentrated liquid
- excellent for removing polishing paste
- suitable for all materials
- excellent corrosion protection
- produces a hydrophobic film

Application

Prepare the bath make-up of SurTec 103 preferably with deionised water.

Make-up for immersion and ultrasonic application:

make-up value: 3-5 %vol

temperature: 40-90°C

Make-up as protective against corrosion:

make-up value: 0.5-3 %vol

temperature: 60-90°C

Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 103	liquid, light-yellow, clear	1.032 (1.02-1.05)	approx. 8.9

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 103 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 103 – 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 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 · 0.32 = %vol SurTec 103

Ingredients

- anionic surfactants
- nonionic surfactants
- amines
- corrosion inhibitors
- perfumes

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 103 Cleaner 50 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 103	Xi - Irritant	WHC 2

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>