

SurTec® 121

Liquid Universal Cleaner

Properties

- alkaline cleaning agent
- for high pressure and foam/steam cleaning; also suitable for manual application
- especially employed in surface cleaning of aeroplanes
- suitable for lacquered and unlacquered material (good lacquer compatibility)
- for all materials, no attack on aluminium
- causes no stress corrosion on metal, lacquer and Plexiglass/Macrolon®
- meets the requirements of Boeing D6-17487, Douglas CSD #1 and AMS 1526B

Application

make-up value: 5-20 %vol (depending on the degree of contamination)
temperature: room temperature up to 90°C (usable at any temperature)
application time: depending on process and requirements

Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 121	liquid, colourless-yellowish	1.052 (0.99-1.11)	10.4 (9.5-11.5)

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 121 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 121 – Analysis by Titration

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

procedure:

1. Pipette 25 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-orange to red.

calculation: consumption in ml · 0.68 = %vol SurTec 121

Ingredients

- anionic surfactants
- phosphates
- silicates
- inhibitors
- stabilizers

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 121 200 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 121	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>