

SurTec® 123

High Pressure Cleaner

Properties

- liquid
- alkaline
- for application of high pressure and steam cleaning
- contains wash active substances of high quality
- by using in hard water, a calcification will be largely prevented

Application

SurTec 123 is suited for high pressure and steam systems of all types. Therefore, a stock solution of 5-10 %vol SurTec 123 is recommended.

In systems with filling drop dosage, SurTec 123 is employed as a concentrate. To reach optimal conditions, the concentration at the jet outlet should range within 0.3-1 %vol SurTec 123.

For smell compensation by tank cleaning, apply 0.1 %vol SurTec 123.

Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 123	liquid, light yellow, clear	1.085 (1.07-1.01)	12.8 (12-14)

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 123 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 123 – Analysis by Titration

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

procedure: 1. Pipette 50 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 · 0.224 = %vol SurTec 123

Ingredients

- nonionic surfactants
- anionic surfactants
- potassium hydroxide
- phosphates
- perfume
- solubilizer

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 123 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 123	Xi - Irritant	WHC 1

To neutralize 100 l of a 1 % solution of SurTec 123, 0.1 l of hydrochloric acid (approx. 30 %) are needed.

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>