

SurTec® 168

Alkaline Builder

Properties

- liquid
- suited for spray-, soak- and electrolytic application
- recyclable in combination with SurTec 086 or SurTec 089 (with cross-flow-filtration or oil separator)
- suitable for iron and steel
- surfactant-free

Application

SurTec 168 is used for fine cleaning in continuous strip cleaning lines in spray-, brush- or soak processes (without or under current).

make-up values:	<i>spraying/brushing</i>	<i>hot degreasing</i>	<i>electrolytic degreasing</i>
SurTec 168	2.0 %vol (0.5-3 %vol)	2.0 %vol	2.0 %vol + 2-5 % NaOH
SurTec 086	0.1-0.5 %vol	-	-
SurTec 089	-	0.1-0.5 %vol	-

temperature:	60°C	(40-80°C)
application time:	1 min	(5 s - 5 min)
spray pressure:	1-15 bar	
tank material:	steel	

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 168 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 168 – Analysis by Titration

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

procedure:

1. Pipette 10 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 · 0.24 = %vol SurTec 168

Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 168	liquid, colourless-orange	1.210 (1.18-1.23)	12.5 (11.8-13.1)

Ingredients

- potassium hydroxide
- 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 168	25 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 168	C - Corrosive	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>