

# SurTec® 115

## Alkaline Spray Cleaner

### Properties

- liquid
- easy handling by automatic dosage
- applicable in spraying processes
- suitable for the treatment of iron, stainless steel and magnesium
- removes a wide variety of oils and lubricants from surfaces
- long service life
- low foam formation
- silicate-free
- environmentally friendly

### Application

SurTec 115 is used in spray application. The degreasing effect can be boosted by SurTec 086 Spray Surfactant.

make-up values:

SurTec 115	3 %vol	(1-5 %vol)
SurTec 086	0.3 %vol	(0.1-1 %vol)

temperature: 40-80°C

application time: 0.5-10 min

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 115 regularly. The concentration of SurTec 086 can be determined by photometer.

#### 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 115 – 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 · 0.42 = %vol SurTec 115

## Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 115	liquid, light yellow, clear	1.230 (1.19-1.27)	approx. 12

## Ingredients

- phosphates
- borate
- alkali hydroxide
- surfactants

## 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 115	50 kg
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## 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:

<i>product</i>	<i>hazard designation</i>	<i>water hazard class</i>
SurTec 115	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>