

# SurTec® 011

## Anticorrosion Spray Cleaner

### Properties

- liquid cleaner with temporary corrosion protection
- free of secondary alkanol amines
- fast demulsifying
- suitable for hard water
- sprayable above 30°C
- suitable for iron, steel and for some types of aluminium and zinc
- suited for vibratory finishing

### Application

SurTec 011 is used for cleaning and passivating of iron parts in single- or multi-chamber spray systems.

make-up value: 2.5 %vol (1-4 %vol)

temperature: 60°C (30-80°C)

application time: 1-10 min

### Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (at 20 g/l)
SurTec 011	liquid, colourless - yellow/orange, clear	1.062 (1.05-1.07)	7.9 (7.2-9.1)

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 011 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 011 – 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 · 0.223 = %vol SurTec 011

## Ingredients

- anionic surfactants
- nonionic surfactants
- amines
- neutralized organic acids

## 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 011 Spray Cleaner      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:

<i>product</i>	<i>hazard designation</i>	<i>water hazard class</i>
SurTec 011	-	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>