

# SurTec® 005

## Neutral Spray Cleaner

### Properties

- liquid cleaner with corrosion protection
- produces temporary corrosion protection on the parts
- fast demulsifying
- sprayable above 30°C
- dosage according to conductivity is possible
- can also be used with hard water
- suited for steel and iron parts; conditionally suited for aluminium and copper alloys

### Application

SurTec 005 is used for cleaning and passivating of iron parts in single and multi chamber spray application.

make-up value: 1-3 %vol

temperature: 30-80°C

application time: 1-10 min

hint: Test aluminium and copper alloys before treating with SurTec 005.

### Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 005	liquid, colourless to yellow/orange, clear	1.143 (1.13-1.16)	approx. 10

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 005 regularly. Dosage of SurTec 005 according to conductivity is possible.

#### 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 005 – Analysis by Titration

reagents: 0.1 N hydrochloric 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 hydrochloric acid from yellow to red.

calculation: consumption in ml · 0.266 = %vol SurTec 005

## Ingredients

- potassium tetraborate
- anionic surfactants
- nonionic surfactants
- amines
- 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 005                      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 005	-	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>