

# SurTec® 130

## Spray Cleaner

### Properties

- powder
- weakly alkaline
- foam-free above 30°C
- suitable for steel and aluminium (aluminium may be slightly attacked)
- no attack on the lead layer at leaded parts

### Application

SurTec 130 is applied in spray machines for cleaning of aluminium and aluminium alloys.

make-up value: 0.5-2.0 %

temperature: 30-80°C

application time: 0.5-5 min

### Technical Specification

(at 20 °C)	Appearance	Bulk Density (kg/l)	pH-value (at 10 g/l)
SurTec 130	powder, white	approx. 0.820	approx. 10

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 130 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 130 – Analysis by Titration

reagents: 0.1 N hydrochloric or sulfuric 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 · 0.100 = % SurTec 130

### Ingredients

- carbonates
- phosphates
- sodium tetraborate
- nonionic 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 130 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:

<u>product</u>	<u>hazard designation</u>	<u>water hazard class</u>
SurTec 130	T - Toxic	WHC 2

To neutralise 100 l of 1% SurTec 130-solution, 1 l of technical 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>

29 November 2010/DK, OP