

# SurTec® 606

## Cleaning and Phosphating Additive

### Properties

- powder
- for spray application, also usable for immersion
- combined cleaning and phosphating
- suited for iron and steel

### Application

SurTec 606 is used in spray application for cleaning and phosphating of iron and steel parts. It can also be applied in soak process; strongly contaminated parts should be pre-cleaned.

In order to improve the surface quality, a final rinse is necessary.

make-up value:	0.5-3 %
temperature:	40-90°C
pH-value:	3-5 adjust with phosphoric acid
application time:	0.5-10 min

### Technical Specification

(at 20°C)	Appearance	Bulk density (kg/l)	pH-value (at 10 g/l)
SurTec 606	powder, white	approx. 0.950	3.9 (3-5)

### Maintenance and Analysis

Check the pH-value regularly. Analyse and adjust the concentration of SurTec 606 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 606 – Analysis by Titration

reagents:	0.1 N sodium hydroxide solution indicator: phenolphthalein
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 sodium hydroxide solution until the colour changes.
calculation:	consumption in ml · 0.124 = % SurTec 606

## Ingredients

- phosphates
- nonionic surfactants

## 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 606	-	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>

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