

# SurTec® 531

## Recyclable Builder and Anticorrosive

### Properties

- liquid
- free of salts
- free of silicate
- surfactant free
- temporary corrosion protection
- causes corrosion protection in the steam phase
- for application in soak, ultrasonic, flood washing and spray process
- suitable for iron and steel
- in combination with SurTec surfactants (SurTec 085, SurTec 086 or SurTec 089) it is recyclable by membrane filtration, separator or gravitation oil separator

### Application

In combination with surfactants, SurTec 531 is used in soak, ultrasonic, flood washing and spray cleaning processes. SurTec 531 removes oil, grease and pigments fast and problem-free. SurTec 531 leaves a temporary corrosion protection after drying on the surface. Using deionised water for the make-up is recommended.

make-up value:     2 - 5 %vol     (+ 0.2-0.5 %vol surfactant)  
                          0.5-2 %vol     (for corrosion protection)

temperature:       40-90 °C

application time:   0.5-10 min

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 531 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 531 – Analysis by Titration

reagents:           0.1 N hydrochloric acid  
                          indicator: methyl orange (0.04 %)

procedure:           1. Pipette 5 ml bath sample into a 300 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 · 0.16 = %vol SurTec 531

## Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 531	liquid, colourless	1.028 (1.02-1.04)	13

## Ingredients

- amines
- corrosion inhibitors

## 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 531	25 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:

<u>product</u>	<u>hazard designation</u>	<u>water hazard class</u>
SurTec 531	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>