

# SurTec® 128

## Highly Alkaline Cleaner

### Properties

- liquid
- strongly foaming
- rust- and lacquering removing
- suitable for steel, stainless steel and nickel, for only some types of magnesium
- not usable for aluminium

### Application

SurTec 128 is applied in immersion- and ultrasonic processes. It can also be used in foam cleaning machines.

make-up value: 5-20 %vol

temperature: 60-90 °C

application time: 5-30 min

### Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 128	liquid, slight yellow-brown	1.241 (1.22-1.26)	approx. 12.4

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 128 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 128 – Analysis by Titration

reagents: 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 1 N acid from yellow to red.

calculation: consumption in ml · 1.53 = %vol SurTec 128

## Ingredients

- anionic surfactants
- amines
- sodium hydroxide
- salts of 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 128                      100 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><u>product</u></i>	<i><u>hazard designation</u></i>	<i><u>water hazard class</u></i>
SurTec 128	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>