

# SurTec® 625 N

## Neutralizer before Reactive Soap

### Properties

- for neutralisation after the zinc phosphating
- provides temporary protection
- for the use prior to soap lubricants

### Application

SurTec 625 N is used in immersion application, after zinc phosphating processes.

make-up value:	1.5 %	(0.5-3.0 %)
temperature:	50 °C	(20-70 °C)
pH-value:	9.5	(9-10)
application time:	90 s	(60-120 s)
tank material:	stainless steel or PP	

### Technical Specification

(at 20 °C)	Appearance	Bulk density (kg/l)	pH-value (at 10 g/l)
SurTec 625 N	powder, white-yellowish	approx. 0.910	9.5 (9-10)

### Maintenance and Analysis

Check the pH-value regularly. If the measured pH differ from the desired value it is recommended to discard the bath. Analyse and adjust the concentration of SurTec 625 N 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 625 N – Analysis by Titration

reagents:	0.1 N hydrochloric acid indicator: methyl red
procedure:	1. Pipette 10 ml bath sample into a 250 ml Erlenmeyer flask. 2. Dilute with approx. 50 ml with deionised water. 3. Add 5 drops of indicator. 4. Titrate with 0.1 N hydrochloric acid from yellow to red.
calculation:	consumption in ml · 0.3 = % SurTec 625 N

## Ingredients

- sodium nitrite
- sodium tetraborate

## Consumption and Stock Keeping

The consumption depends heavily on the drag-out. To determine the exact amounts of drag-out, see [SurTec Technical Letter 11](#).

In order to prevent delays in the production process, per 1,000 l bath, the following amount should be kept in stock:

SurTec 625 N            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 625 N	T - Toxic N - Dangerous for the environment O - Oxidising	WHC 2

## 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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