

SurTec® 425

Detergent Pickling Inhibitor

Properties

- liquid
- stable in acid, highly concentrated surfactant/inhibitor mixture
- reduces the attack on the base metal
- improves the rinsability
- for pigment removal, derusting, descaling
- can also be used in other acids and mixed acids
- requires - due to its inhibitor content - further cleaning steps (electrolytical cleaning, rinse, acid activation) prior to electroplating

Application

make-up values:

SurTec 425	0.5-5 %vol
+ e.g. hydrochloric acid (32 %)	50 %vol

temperature: 15-60 °C

application time: 1-10 min according to the degree of scale
(hardened parts are not allowed to be pickled more than 5 min)

tank material: steel tank with acid resistant coating

Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 425	liquid, yellow	1.030 (1.01-1.05)	8.7 (8-10)

Ingredients

- nonionic surfactants
- 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 425	50 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 425	Xn - Harmful	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>

22 December 2010/DK, OP