

SurTec® 421

Inhibitor for Acid Pickling

Properties

- liquid
- additive for hydrochloric acid pickling
- free of tensides, non foaming
- suitable for iron and steel
- optimal results in combination with SurTec 426 Detergent Pickling/Electrocleaner

Application

SurTec 421 is used as an additive in hydrochloric acid pickling. It inhibits acidic attack on iron and steel. In a waste water treatment according to the state of the art, the flocculation of heavy metals is not impaired.

make-up value: 0.5-5 %vol according to the desired degree of inhibition
(+ evtl. 1-2 %vol SurTec 426 Detergent Pickling)

Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 421	liquid, red-brown	1.052 (1.04-1.07)	6 (5-7)

Maintenance

Add SurTec 421 proportional according to the hydrochloric acid dosage.

Ingredients

- mixture of organic 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 421 Inhibitor 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 421	T - Toxic	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>

11 April 2011/DK, UK