

SurTec® 423

Inhibitor for Acid Pickling

Properties

- pickling inhibitor for hardened steel parts
- liquid, stable in acids, highly concentrated and easy to rinse off
- suitable in combination with hydrochloric acid or mixed acids
- for removing pigments, derusting and descaling
- especially optimized mixture of surfactants/inhibitors, to minimize hydrogen embrittlement (see also: SurTec Technical Letter No. 8)
- virtually no attack on the base metal, so the cleaning effect is focussed on layers of rust, scale and likewise pollutions
- very few generation of gas leads to less acid fumes, which enables the work with higher concentrated acids at reduced pickling time
- because of the inhibitor concentration, further cleaning steps (electrolytical degreasing, rinsing, acid dip) are required before successive galvanising

Application

make-up values:

hydrochloric acid (conc.)	50 %vol	(30-100 %vol)
SurTec 423	2 %vol	(1 - 4 %vol)

temperature: 15-60 °C

application time: 1-10 min, depending on the degree of scaling
(high-strength parts must not be pickled longer than 5 min)

tank material: tank with acid resistant coating

Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH value (conc.)
SurTec 423	liquid, brownish, clear	1.038 (1.01-1.06)	7 (6-8)

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 423 Inhibitor for Acid Pickling 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 423	C - Corrosive	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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