

SurTec® 428

Pickling Accelerator / Oxidizing Agent

Properties

- granular
- shortens the derusting time
- no increase of roughness in comparison to unaccelerated pickling
- excellent for pigment removal, particularly in descaling of brazed or welded parts as well as in stripping of zinc alloys
- fluoride free
- very well rinsable
- works in combination with every pickling additive of the SurTec-range
- also applicable as brightener for steel parts in alkaline baths

Application

Application as pickling accelerator

SurTec 428 is used as an accelerator for mineral acid pickling of difficult parts in combination with standard pickling additives (acid cleaners).

make-up values:

hydrochloric acid (32 %)	50 %vol
the concentration of the mineral acid resp. the acid mixes depends on pickling time, contamination and temperature	
pickling additive, e.g. SurTec 426	2-5 %vol
SurTec 428 Pickling Accelerator	0.01-0.1 %

temperature: 15-60 °C

immersion time: 1-10 min according the degree of scale
(hardened parts should be pickled 5 min max.)

tank material: steel with acid resistant coating

Application as brightener for steel parts in alkaline baths

make-up values: alkaline baths of the SurTec-Range (make-up see there)

SurTec 428 Oxidizing Agent	0.5-2.0 %
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temperature: 15-80 °C

immersion time: 1-10 min

tank material: steel, stainless steel, polypropylene (PP)

Technical Specification

(at 20 °C)	Appearance	Bulk density (kg/l)	pH-value (at 100 g/l)
SurTec 428	granulate, yellowish	0.580 (0.52-0.64)	8.0 (6.5-9.5)

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 428 Pickling Accelerator/Oxidizing Agent 20 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>product</i>	<i>hazard designation</i>	<i>water hazard class</i>
SurTec 428	Xi - Irritant	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>

26 August 2009/DK, OP