

# SurTec® 088

## Surfactant Booster

### Properties

- liquid, highly concentrated product
- for pickling and for electrolytic cleaning
- shortens the derusting time
- free of inhibitors, can be used in combination with SurTec 421
- does not disturb in following galvanic processes of the SurTec program
- highly biodegradable

### Application

SurTec 088 can be used as an additive for mineral acid pickling agents or it can be added to electrolytic basic bathes (e.g. SurTec 177, SurTec 198 or SurTec 199).

#### *Pickling*

The concentration of the mineral acid or mixture of acids depends on application time, degree of contamination and temperature. Example: for polished rack parts with 5 min application time at room temperature we recommend a concentration of hydrochloric acid of 1:1.

make-up value: 2-5 %vol SurTec 088

temperature: room temperature to 60°C

application time: depending on kind and degree of contamination to remove

#### *Electrolytic Degreasing*

In combination with a cleaner/degreaser, e.g. SurTec 177, SurTec 183 or SurTec 197:

make-up value: 0.01-0.1 %vol SurTec 088

temperature: room temperature to 80°C

application time: according to the electrolytic degreasing product of the basic bath

### Technical Specification

(at 20 °C)	Appearance	Density (g/ml)
SurTec 088	liquid, colourless	1.010 (0.99-1.03)

### Maintenance and Analysis

Analyse and adjust the concentration of the base or acid carrier medium regularly.

Dose SurTec 088 proportional to the dosage of the make-up.

## Ingredients

- nonionic surfactants

## 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 088	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>

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