

# SurTec® 310 S

## Fume Suppressant

### Properties

- liquid additive
- contains nonionic surfactant
- builds up a closed foam blanket on anodising baths
- suppresses unpleasant odours and aerosol formation effectively
- hydrogen resulting from anodising process is partially bonded and thus prevents release of “carried down” acid particles
- adhering foam can easily be removed during subsequent rinsing processes

### Application

make-up value:	0.05-1 %
application time:	30-120 s
temperature:	18°C (16.5-19.5°C)
tank material:	polypropylene (PP) or steel tanks (alloy 1.4571)
heating:	not required
cooling:	required
exhaust:	required for worker’s protection
filtration:	possible
hints:	Generally, a concentration of 0.05-0.1 % SurTec 310 S will be sufficient to build up a foam blanket. However, the foam blanket can individually be adjusted by lower or higher concentrations.

### Technical Specification

(at 20°C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 310 S	liquid, milky, turbid	1.000 (0.98-1.02)	6 (5.8-6.2)

### Maintenance and Analysis

SurTec 310 S is resistant in sulfuric acid anodising bath solutions. The actual consumption results from carry-over losses only. If the foam level declines, add low quantities of SurTec 310 S for regeneration. Before addition it is recommended to dilute SurTec 310 S in a ratio of 1:10 with water.

### Ingredients

- surfactants

## Consumption and Stock Keeping

The consumption depends heavily on the drag-out. To determine the exact amounts of drag-out, see [SurTec Technical Letter 11](#).

The consumption values of SurTec 310 S are not specified.

In order to prevent delays in the production process, per 1,000 l bath the following amount should be kept in stock:

SurTec 310 S                      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 310 S	Xi - Irritant	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>

7 July 2011/DK, WT