

# SurTec® 473

## Liquid Acid Cleaner

### Properties

- contains phosphoric acid
- for stainless steel and aluminium surfaces
- for outer surfaces of vehicles in use on tracks or streets
- especially suited for pollutions originating from braking processes, (DB-Stoff-Nr. 109.29)

### Application

SurTec 473 is suited for manual or spray application as well as in washing plants. Dilute SurTec 473 with water according to the degree of surface pollution (1:1 to 1:20; 1:30 in automatic washing plants). After proper application time, rinse with tap water. The washing plants and basins need to be acid resistant.

### Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH-value (at 10 g/l)
SurTec 473	liquid, light yellow	1.250 (1.22-1.28)	approx.1

### Maintenance and Analysis

Analyse and adjust the concentration of SurTec 473 regularly.

#### Sample Preparation

Take a sample at a homogeneously mixed position. Let it cool down to room temperature. If the sample is turbid, let the turbidity settle down and decant or filter the solution.

#### SurTec 473 – Analysis by Titration

reagents:	0.1 N sodium hydroxide solution indicator: methyl orange solution (0.04 %)
procedure:	1. Pipette 10 ml bath sample into a 250 ml Erlenmeyer flask. 2. Dilute to approx. 100 ml with deionised water. 3. Add 3 drops of indicator. 4. Titrate with 0.1 N sodium hydroxide solution from red to yellow-orange.
calculation:	consumption in ml · 0.24 = %vol SurTec 473

## Ingredients

- phosphoric acid
- organic acids
- 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 473 Liquid Acid Cleaner      40 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><u>product</u></i>	<i><u>hazard designation</u></i>	<i><u>water hazard class</u></i>
SurTec 473	C - Corrosive	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>