

SurTec® 137

Recyclable Cleaner

Properties

- powder
- free of silicates and surfactants
- appropriate for steel
- passes ultrafiltration membranes
- usage in combination with immersion and spray detergent components

Application

SurTec 137 is applied in combination with immersion or spray detergent boosters.

make-up values: ***Spray Cleaning***

SurTec 137	10 - 30 g/l
SurTec 086	0.1-0.3 %vol

Emulsifying Immersion Cleaning

SurTec 137	30-50 g/l
SurTec 415	0.3-1 %vol

Demulsifying Immersion Cleaning

SurTec 137	30 - 50 g/l
SurTec 089	0.3-0.5 %vol

temperature: 40-90°C

Maintenance and Analysis

Analyse and adjust the concentration of SurTec 137 regularly. SurTec 137 can be dosed according to titration or to conductivity.

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 137 – Analysis by Titration

reagents: 1 N hydrochloric or sulfuric acid
indicator: methyl orange solution (0.04 %)

procedure: 1. Pipette 20 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 1 N acid from yellow-orange to red.

calculation: consumption in ml · 2.70 = %vol SurTec 137

Technical Specification

(at 20°C)	Appearance	Bulk density (kg/l)	pH-value (at 10 g/l)
SurTec 137	powder, white	0.540 (0.50-0.60)	approx. 10.4

Ingredients

- carbonates
- alkali phosphates

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 137	50 kg
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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 137	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>