

Protection upgraded

**Sur
Tec**

Chemical Specialities for Surface Treatment

SurTec Group

a brand of  **FREUDENBERG**



SurTec manufactures globally, supplying all industries

SurTec is the chosen supplier for chemical specialities for surface finishing. With its highly comprehensive portfolio, SurTec supplies almost all segments dealing with surface treatment, including Automotive, Transportation, Construction, Electronics & Electrical and Healthcare & Lifestyle industries.

The SurTec Group, headquartered in Bensheim, Germany, has subsidiaries in 22 countries with about 400 employees. It also cooperates with partners who represent SurTec in more than 20 additional countries.

SurTec is a division of Freudenberg Chemical Specialities SE & Co. KG, Munich, Germany, which is a wholly owned subsidiary of Freudenberg SE based in Weinheim, Germany. Freudenberg is a globally operating family business founded by Carl Johann Freudenberg over 170 years ago.

The secret of Freudenberg's success lies in its creativity, diversity, talent for innovation and responsible approach. Freudenberg and its total of 11 business groups rely on partnerships with customers in about 60 countries, long-term orientation, financial solidarity and the expertise and experience of its more than 50,000 employees.



Sustainability

Responsible management is the basis of our long-term business success. Economic stability, social responsibility, environmental protection and the sustainable use of products and services are inseparably linked.

Located in Zwingenberg, Germany (office, laboratories, production and warehouse) our state of the art passive house built in 2000 meets ecological standards.

Customised Chemical Specialities for Surface Treatment

SurTec develops, manufactures and supplies solutions for Industrial Parts Cleaning, Metal Pre-treatment, and Functional and Decorative Electroplating. Our products and process solutions meet complex specifications and highest requirements of our global customers. In addition to our portfolio we offer excellent technical service and expert advice.

Our objective is to provide solutions with superb cost/benefit ratio and added value to our customers while at the same time minimizing impact on the environment.



Industrial Parts Cleaning - IPC



Metal Pre-treatment - MPT



Functional Electroplating - ELP-F



Decorative Electroplating - ELP-D

Chemical Specialities for Industrial Parts Cleaning

Industrial Parts Cleaning is one of the four core areas of competence of SurTec. By selecting the optimum cleaning process, significant advantages can be gained for the entire value chain. They are playing an increasingly important role in improving efficiency by maximising the reliability of processes, ensuring low rework rates and optimising costs.

Optimum component cleanliness and compliance with minimum residual contamination requirements can best be achieved with recyclable, modular multi-component cleaners. These can be specifically adapted to the respective requirements.

Product Highlights

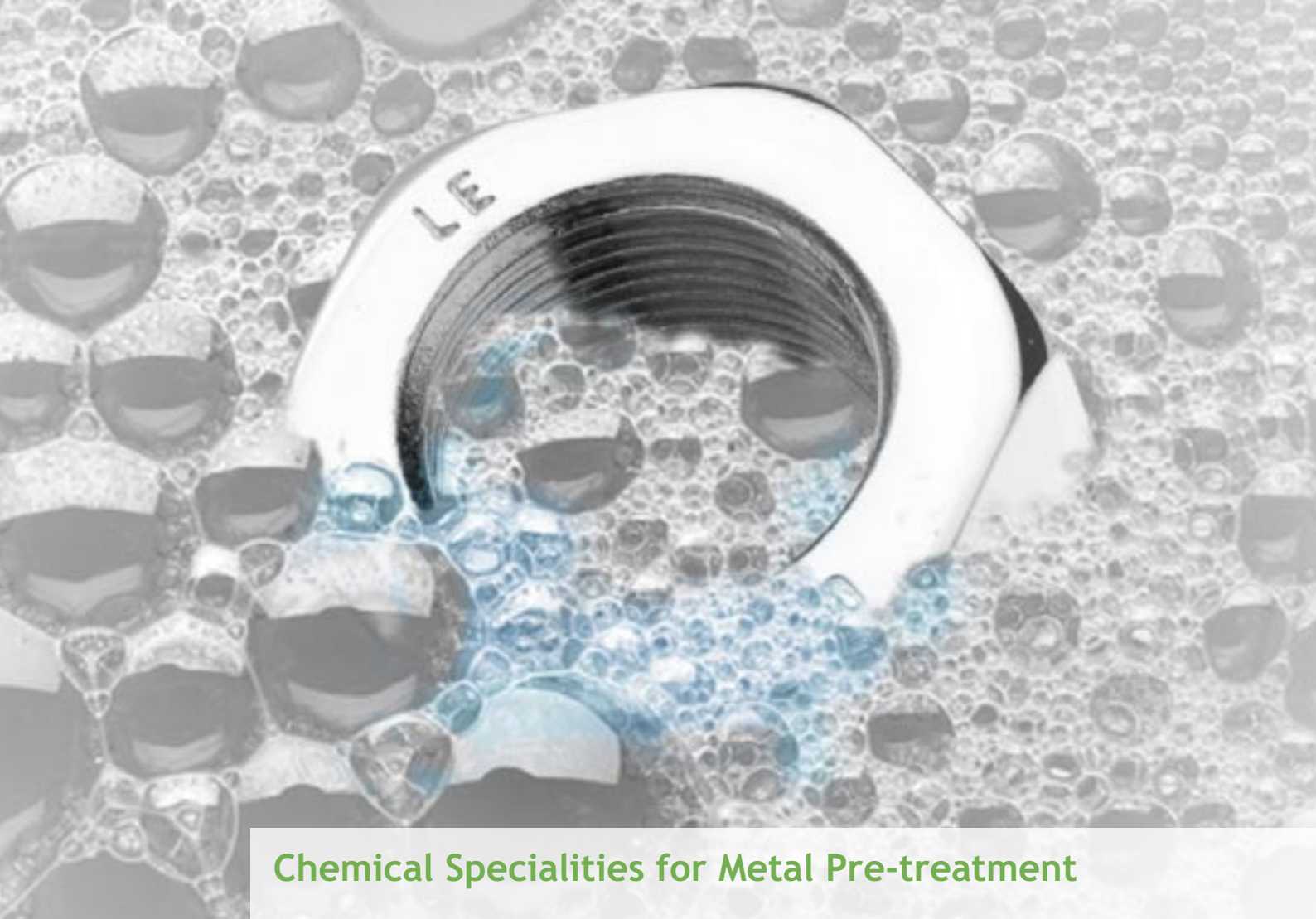
Cleaner for ferrous materials:
SurTec 042

Surfactant Blend:
SurTec 089

Neutral Activator:
SurTec 414

Multi-metal temporary corrosion
protection:
SurTec 537





Chemical Specialities for Metal Pre-treatment

The requirement profile for the pre-treatment process changes continuously. In addition to pure functionality, cost considerations, process reliability, the consistent achievement of quality standards and product sustainability are becoming increasingly important.

This is why SurTec is concentrating primarily on a new generation of processes in the development of its specialty chemicals for metal pre-treatment. These are generally characterised by their ease of use, industrial robustness, possibilities for precise process control and, above all, optimised process costs, while at the same time maintaining extremely stable quality values.

Product Highlights

Phosphate-free Pre-treatment
for iron, steel and zinc:
SurTec 609 family

Ni-free low temperature phosphates:
SurTec 61x family

High-performance chrome-free aluminium conversion coating:
SurTec 643

Tri-chrome Passivation (TCP):
SurTec 650 family





Chemical Specialities for Functional Electroplating

As the original inventor and patent holder of thick-film passivation (SurTec 680) SurTec is a pioneer in Functional Electroplating technology. We focus on classical processes and target innovations to optimize and adapt to constantly changing market requirements.

In many cases, innovation is described as “achieving new goals with new means“. For us, innovation also means to look at existing processes under new aspects and continuously improve these processes.

Product Highlights

High-performance blue to medium-layer passivation:

SurTec 671

Universal sealing for bright zinc:

SurTec 555 S

Modular high-performance alkaline zinc/nickel process:

SurTec 717

Cobalt-free passivations:

SurTec 675, SurTec 681, SurTec 692



Chemical Specialities for Decorative Electroplating

Aesthetic and decorative surfaces help many everyday objects to have a high-quality appearance. Surfaces should be noble, discrete and elegant. Typical applications are automotive trim, door fittings, bathroom fittings and office furniture.

The extremely high quality requirements within the production process are met by SurTec's robust products. A complete product line for all process steps promises a perfect surface appearance.

Product Highlights

Dye-containing bright acid copper plating:

SurTec 866

Semi bright nickel processes:

SurTec 853

Bright nickel processes:

SurTec 859

Bright chrome-plating Cr(VI)-free:

SurTec 883 XT

POP Pre-treatment:

SurTec 961 (ABS/ABS PC),

SurTec 962 (Polyamide)



Founded in 1993, we can today serve our customers from seven different production facilities worldwide. To guarantee consistently high product quality independent of the site, all production facilities operate in compliance within internationally recognised standards.

SurTec is certified according to ISO 9001 (Quality Management). The additional certifications according to ISO 45001 and ISO 14001 emphasise the important corporate goals of occupational health and safety as well as ecological friendliness and the conservation of resources.

Our global Research and Development Centre for Industrial Parts Cleaning, Metal Pre-treatment, and Functional and Decorative Electroplating pushes for constant evolution and high innovation performance.

Other products and information, see www.SurTec.com



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