

Protection upgraded

**Sur
Tec**

Surface Treatment for Medical Devices
Industrial Parts Cleaning & Corrosion Protection

SurTec Group

a brand of

 **FREUDENBERG**

SurTec's Superior Chemical Specialities: Market-established products and technical support

- Water-based Cleaners
- Electropolishing & Passivation
- Anodizing
- Bare Metal Corrosion Protection
- Anti-Friction Coatings
- Chemical Deburring
- Decorative Electroplating
- Cathodic Corrosion Protection
- Phosphoric Acid Derouging
- Phosphating and Phosphate Replacements
- Metal Pre-Treatment before Powder Coating

Product highlights:

- **SurTec 650:** Bare metal corrosion protection for aluminum with low surface resistance
- **Klübertop TP 38-901:** NSF H1-registered and approved according to DVGW, WRAS, and ACS (anti-friction coating for elastomers)
- **SurTec 459:** Proven electrolyte for electropolishing
- **SurTec 168 LT:** Low-temperature cleaner to reduce energy costs
- **SurTec 572:** Nitric acid-free passivation for stainless steel
- **SurTec 104:** Neutral cleaner for ultrasonic baths
- **SurTec 025 HP:** Surfactant-free cleaning component for the highest cleanliness requirements
- **SurTec Coat 2450:** Ready to use high-pressure resistant, hygrossetting anti-friction coating

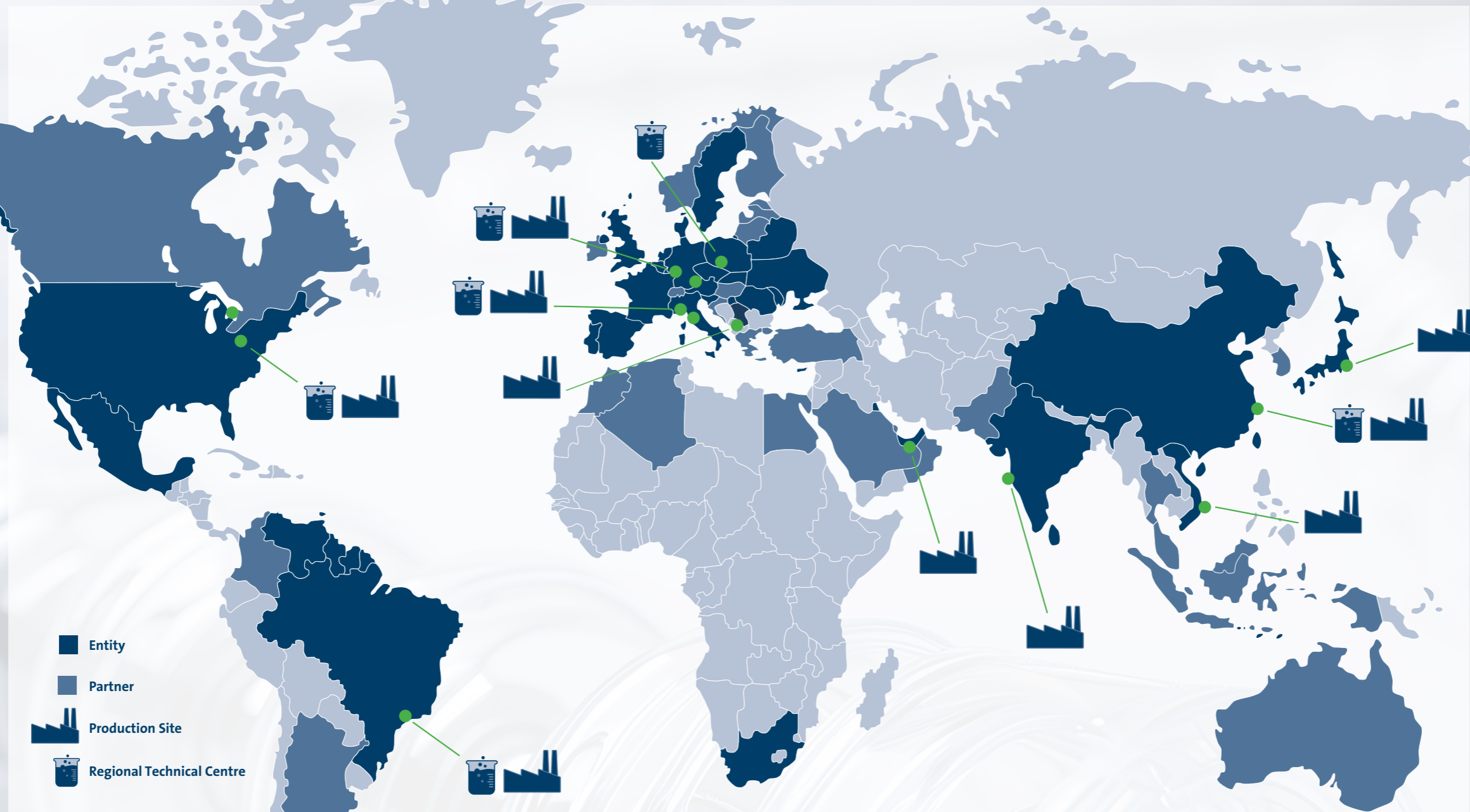


Download our free whitepapers
on surface treatment for medical devices here.

Industrial Parts Cleaning of Medical Devices

	Products	pH-value	Process techniques				Substrates					Effective range					Characteristics		
			Ultrasound cleaning	Spray and injection cleaning	Soak cleaning	Flood washing	Aluminum	Stainless Steel	Titanium	Plastics	Ceramics/ Glasses	Degreasing	Demulsifying	Emulsifying	Hydrophobic Effect	Temporary corrosion protection			
1C-systems	Acid	SurTec 026	2,6 (10 g/l)	✓		✓		●	✓	✓	✓	●	✓		✓			Acid cleaner which removes fats, oils and oxide layers fast and without residues.	
	Neutral	SurTec 102 FL HP*	8,3 (conc.)	✓	✓	●	✓	✓	✓	✓	✓	✓	✓	✓			✓	Fast demulsifying cleaning agent for nearly all substrates with a temporary corrosion protection.	
		SurTec 104	8,9 (conc.)	✓		✓		✓	✓	✓	✓	✓	✓		●	✓		Emulsifying cleaning agent for nearly all substrates with a temporary hydrophobic layer.	
	Alkaline	SurTec 113	11,7 (10 g/l)	✓	✓	●	✓		✓	✓	☒	●	✓	✓				Excellent demulsifying cleaner for nearly all types of plastics.	
Legend			Surfactant	Surfactant	Surfactant	Surfactant	Builder	Builder	Builder	Builder	Builder	Builder	Surfactant	Surfactant	Builder	Builder	Spectrum of a Surfactant and a Builder.		
2C-systems	Surfactant	SurTec 089	9,8 (2 Vol %)	✓		✓								✓				Demulsifying surfactant showing the best performance by ultrasonic cleaning in combination with the builders SurTec 132, SurTec 138, SurTec 025 or SurTec 199.	
		SurTec 086	5,7 (20 g/l)		✓		✓							✓				Sprayable surfactant that best performs by ultrasonic cleaning with the builders SurTec 132, SurTec 138, SurTec 025 or SurTec 199.	
	Builder	SurTec 411 HP*	6,3 (20 g/l)					✓	✓	✓	✓	✓	✓						High precision cleaner free of borates, phosphorus, silicates and surfactants.
		SurTec 138	12,6 (20 g/l)						✓	✓	●	✓	✓						High alkaline builder which removes all residues with low effort in combination with the surfactants SurTec 086 or SurTec 089.
		SurTec 025 HP*	1,0 (conc.)					●	✓	✓	✓	●	✓			✓	✓		Acid Builder for all materials which removes all residues with low effort and leave the surface residue-free. Best performs in combination with the surfactants SurTec 086 or SurTec 089.
	SurTec 199	12,4 (10 g/l)						✓	✓	✓	☒	✓						Excellent alkaline builder for nearly all types of optical glasses and lenses showing the best performance with the surfactants SurTec 086 or SurTec 089.	

✓ Perfectly suited ☒ Product was developed for this special substrate ● Limited usability (please ask Technical Centre before usage) *HP stands for High Purity and was is specially developed for precision requirements.



About SurTec

SurTec develops, manufactures, and supplies specialty chemicals for cleaning and surface treatment across a variety of materials and industries.

Our direct sales approach integrates experiences and best practices directly into similar projects, enhancing customer value.

In addition to an excellent price-performance ratio, SurTec distinguishes itself above all through its lived sustainability and worldwide availability in more than 40 countries. By eliminating difficult-to-rinse components and the use of recyclable cleaning components in the aqueous system, the integration of rinsing steps can achieve effective processes right through to residue-free cleaning. You will receive expert advice and support in questions regarding ensuring biocompatibility (according to ISO 10993-5) or achieving predefined purity goals.

Through its global presence with own Regional Technical Centers and in-country field labs, SurTec can target and respond quickly to customer needs, develop solutions or make samples.



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**For more products and information,
see www.SurTec.com**

