



Product Overview Cleaners

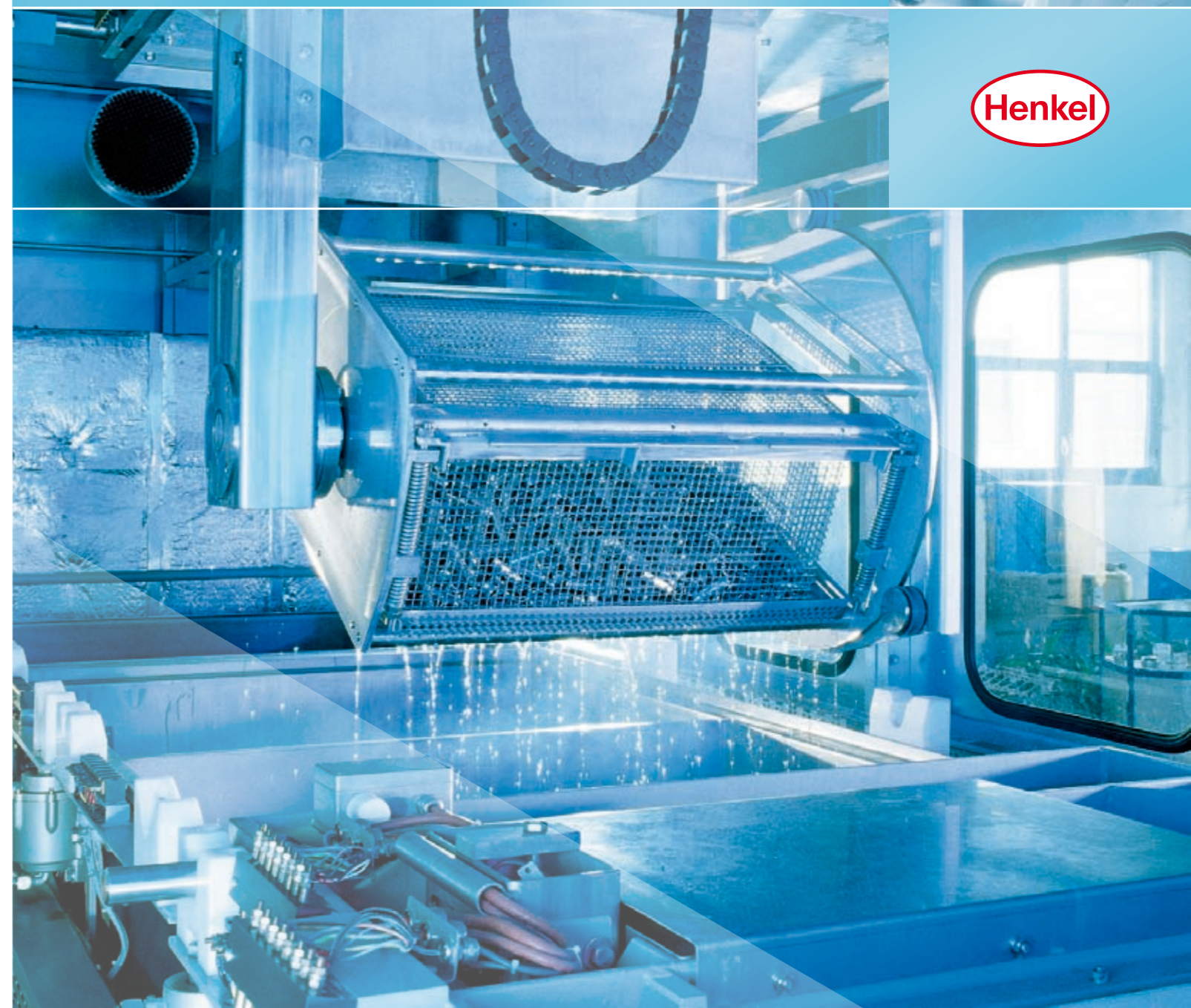


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Core Range – for Total Process Cost Reduction



Product	Short Description	Consistency	Application	Substrate to be Cleaned / Material Resistance								Working Temperature °C		pH-value (1 % in DI-water)	
				Steel/ Iron	Cast Iron	Zinc	Al-Knead Alloys	Al-Cast Alloys	Magne- sium	Copper	Brass	min	max		
Alkaline Cleaners															
P3-almeco 18	Basic ingredients: carbonates, borates and phosphates. For aluminium parts without etching.	P	dip/us	■	■	■	■	■	■	■	■	■	60	90	9.2
P3-almeco 36	Basic ingredients: carbonates, borates and phosphates. High performance cleaning of aluminium parts.	P	spray/dip	■	■	■	■	■	■	■	■	■	50	90	9.4
P3-galvaclean 45	Basic ingredients: carbonates and phosphates. For various metals with low soil level. Slight etching of aluminium and its alloys.	P	dip	■	■	■	■	■	■	■	■	■	50	80	12.0
P3-galvaclean 65	Basic ingredients: carbonates and silicates. For steel and zincated steel prior to phosphating.	P	ed	■	■	■	■	■	■	■	■	■	20	60	13.0
Ridoline 1427	Basic ingredients: phosphates. For steel prior to phosphating, silicate-free.	P	dip	■	■	■	■	■	■	■	■	■	50	80	12.8
Ridoline 1562	Basic ingredients: borates, phosphates and silicates. For all materials prior to phosphating, surfactant-free.	L	spray/dip	■	■	■	■	■	■	■	■	■	50	80	12.2
Ridoline 1563	Basic ingredients: carbonates and phosphates. For steel, zinc and aluminium alloys prior to phosphating.	L	spray/dip	■	■	■	■	■	■	■	■	■	50	80	11.6
P3-upon 4100	Basic ingredients: phosphates. High performance cleaner for steel and cast iron with heavy soils incl. pigments.	P	spray	■	■	■	■	■	■	■	■	■	45	60	11.5
P3-emalan 5669	Basic ingredients: silicates, phosphates and alkalines. Specially suitable for multi-metal, two-component system best cleaning results with surfactant additive.	L	spray/dip	■	■	■	■	■	■	■	■	■	-	-	12.2
P3-upon	Basic ingredients: phosphates. High performance cleaner for steel, cast iron with heavy soils incl. pigments and after cutting, stamping pressing or cold forming.	P	spray	■	■	■	■	■	■	■	■	■	45	80	12.0
P3-upon 5805	Basic ingredients: phosphates and surfactants. Cleaner for the removal of heavy soils and greasy contamination as well as pigmented, fatty acid containing drawing compounds from steel in immersion process.	L	dip	■	■	■	■	■	■	■	■	■	40	80	11.6
P3-upon 6444	Basic ingredients: alkalines and phosphonates. Two-component cleaner for ferrous metals for cleaning after cutting, stamping, pressing or cold forming.	L	spray/dip	■	■	■	■	■	■	■	■	■	-	-	12.5
P3-saxin	Basic ingredients: silicates, phosphates and carbonates. Specially suitable for multi-metal in spray process after cutting, stamping and pressing in manufacturing industries.	P	spray	■	■	■	■	■	■	■	■	■	50	80	12.0
P3-WO	Basic ingredients: silicates, alkalines, carbonates and surfactants. Degreasing of heavily soiled and greasy steel and copper surfaces and it alloys in immersion processes.	P	dip	■	■	■	■	■	■	■	■	■	60	80	12.5
Ridoline 2102 IT	Basic ingredients: phosphates. Low alkalinity cleaner suitable for all metals prior to phosphating, BonderiteNT, small appliance cleaning.	L	spray	■	■	■	■	■	■	■	■	■	45	65	-

P3-Cleaners: All cleaners fulfil the EU Detergency Regulation (EC) No. 648 / 2004 dated 31st. March 2004 valid since 8th. October 2005

Consistency P: Powder L: Liquid **Application** ed: electrolytic degreasing us: ultrasonic

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Alkaline Cleaners															
Ridoline 2153 IT	Basic ingredients: phosphates. Free of silicate and non ionic surfactant. Medium alkaline cleaner prior to phosphating, BonderiteNT, small appliance cleaning and before enameling.	L	spray	■	■	■	■	■	■	■	■	■	40	70	–
Ridoline 2260 IT	Basic ingredients: alkalines and complexing agents. Multipurpose surfactant-free base for Al etching, dephosphating, paint stripping, cleaning and electrocleaning.	L	spray/dip	■	■	■	■	■	■	■	■	■	45	60	13.0
Ridoline 2500 IT	Basic ingredients: silicates, phosphates and surfactants. Multimetal cleaner for various applications.	P	dip	■	■	■	■	■	■	■	■	■	50	70	12.0
Lixton 3402 S	Basic ingredients: phosphates. Demulsifying mild alkaline cleaner with high performance for steel and cast iron with heavy soils incl. pigments.	L	spray/dip/us	■	■	■	■	■	■	■	■	■	40	80	9.5
Ridoline 409 A	Alkaline cleaner, silicate-free, with low etch for aluminium.	L	spray	■	■	■	■	■	■	■	■	■	–	–	–
Novadip 4113	Basic ingredients: silicates, phosphates, carbonates and surfactants. Good cleaning of all metals especially for aluminium alloys in immersion processes.	P	dip	■	■	■	■	■	■	■	■	■	–	–	11.6
Ridoline 7163 CF/5	Basic ingredients: phosphates, alkaline hydroxides, and complexing agents. Free of silicate and surfactant. For steel and partly zinc plated steel, surfactant-free.	L	spray/dip	■	■	■	■	■	■	■	■	■	55	70	13.0
P3-galvaclean C 32	Basic ingredients: carbonates, phosphates, surfactants, alkaline hydroxides, silicates and complexing agents. Cleaner for dip applications on steel substrates.	P	dip	■	■	■	■	■	■	■	■	■	60	95	12.5
P3-industril FA	Basic ingredients: phosphonates, salts, organic components and surfactants. Suitable for nearly all materials (metals and plastics) and processes. Degreasing of machinery parts in manual, dip and spray applications.	L	spray/dip	■	■	■	■	■	■	■	■	■	–	–	11.1
Ridoline G 1550 L	Basic ingredients: phosphates, alkali hydroxides, silicates and complexing agents. Strongly recommended for bicomponent for all metals.	L	spray/dip	■	■	■	■	■	■	■	■	■	40	70	13.0
Novaclean L 95	Basic ingredients: alkali hydroxides and complexing agents. High alkaline cleaner with surfactant for heavy duty immersion cleaning of steel parts, incl. electrolytic cleaning. For spray applications prior to phosphating. Suitable for hard water.	L	spray/dip/us	■	■	■	■	■	■	■	■	■	40	80	13.0
Lixton SFR 3611	Basic ingredients: gluconates. Mould cleaner for steel to remove release agent and rubber without attack on the base material.	L	dip/us	■	■	■	■	■	■	■	■	■	40	80	13.5
Novaclean STL	Basic ingredients: phosphates, alkali hydroxides and complexing agents. Recommended for electrolytical degreasing, descaler / deruster, paint stripper, aluminium etching.	L	dip/spray	■	■	■	■	■	■	■	■	■	20	80	13.0

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Alkaline Cleaners with Temporary Corrosion Protection															
P3-galvaclean 20	Basic ingredients: alcanolamines and surfactants. All-purpose immersion (with or without ultrasonic) cleaner, leaves hydrophobic surface. For the final and intermediate cleaning, excellent for removing of polishing pastes.	L	dip/us	■	■	■	■	■	■	■	■	■	50	80	8.6
P3-upon 5800	Basic ingredients: phosphates and surfactants. Cleaner for the removal of heavy soils and greasy contamination as well as pigmented, fatty acid containing drawing compounds from steel in spray application.	L	spray	■	■	■	■	■	■	■	■	■	40	80	12.0
P3-upon 5801	Basic ingredients: phosphonates, salts, organic components, alkalines and surfactants. Removing of heavily soiled and greasy contaminations as well as pigmented, fatty acid containing drawing compounds from steel and plastic by spray application.	L	spray	■	■	■	■	■	■	■	■	■	50	80	12.3
Acid Cleaner															
Chemalyt 144	Basic ingredients: phosphoric acids. Immersion cleaning and degreasing of iron, steel, copper, brass and aluminium surfaces with no major metal attack.	L	dip	■	■	■	■	■	■	■	■	■	70	85	1.6
Chemalyt 146	Basic ingredients: phosphoric acids. Spray cleaning and degreasing of iron, steel, copper, brass and aluminium surfaces with no major metal attack.	L	spray	■	■	■	■	■	■	■	■	■	60	70	1.6
Chemacid 3400	Basic ingredients: phosphoric- / sulphuric acids. For iron, steel and aluminium. Suitable for heavy duty operations.	L	dip	■	■	■	■	■	■	■	■	■	50	90	1.6
Novaclean N	Basic ingredients: complexing agents and organic acids. Neutral derusting, particularly after deburring operations replacing conventional acidic multi-stage operations.	L	dip/spray	■	■	■	■	■	■	■	■	■	20	80	5.0
GABROPOL RD	Basic ingredients: surfactants and mineral acids. Strong deoxidizer. High performance pickling prior to heavy phosphating (Zn, Mn). Used instead of sandblasting.	L	dip	■	■	■	■	■	■	■	■	■	20	40	2.0

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Corrosion Protection															
P3-gero cor 3	Corrosion Protection oil (6–12 months).	L	spray/dip	■	■	■	■	■	■	■	■	■	15	30	–
P3-emulpon 6765	2 in 1 product, cutting fluid and corrosion protection emulsion (5–6 months). Water miscible cutting fluid for general machining.	L	spray/dip	■	■	■	■	■	■	■	■	■	50	80	–
P3-emulpon 6771	Corrosion protection emulsion (2–3 months), suitable only for soft water.	L	spray/dip	■	■	■	■	■	■	■	■	■	20	80	9.5
P3-emulpon 6776	Corrosion protection emulsion (3–4 months), suitable from 15°dH upward.	L	spray/dip	■	■	■	■	■	■	■	■	■	40	80	9.2
P3-prevox 7400	Aqueous corrosion protective (2–3 days). Ideal prior to painting. Passivation of steel and cast iron for subsequent storage in closed warehouses.	L	spray/dip	■	■	■	■	■	■	■	■	■	20	80	9.8
P3-prevox 6738 N	Amine-free aqueous corrosion protective (4–8 weeks), passivating of steel and cast iron for subsequent storage in closed warehouses.	L	spray/dip	■	■	■	■	■	■	■	■	■	20	80	8.4
P3-prevox 6740-6	Aqueous corrosion protective for short term indoor storage (2–3 weeks).	L	spray/dip	■	■	■	■	■	■	■	■	■	20	80	9.0
P3-emulpon 97-10	Corrosion protection emulsion suitable for soft and hard water. Replenished by drag in of Multan 97–10 cutting-fluid. Non foaming in cold water.	L	spray	■	■	■	■	■	■	■	■	■	20	80	9.1
Lixton SV 2	Basic ingredients: isoparaffinic hydrocarbons. Dewatering fluid, temporary corrosion protection, no VOC.	L	spray/dip	■	■	■	■	■	■	■	■	■	20	40	–
Lixton TS 941	Basic ingredients: isoparaffinic hydrocarbons, corrosion inhibitors. Dewatering fluid, temporary corrosion protection, film not visible, performance > 25 cycles condensed water test.	L	spray/dip	■	■	■	■	■	■	■	■	■	20	40	–

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Neutral Cleaners with Organic Corrosion Inhibitors – Salt-free															
P3-neutrare 250	Basic ingredients: amines, carboxylic acids. All-purpose cleaner with high biostability. 100% permeability on UF.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	20	80	9.3
P3-neutrare 270	Basic ingredients: amines, carboxylic acids. All-purpose cleaner especially suitable for aluminium and magnesium alloys. 100% permeability on UF.	L	spray	■	■	■	■	■	■	■	■	■	30	80	10.7
P3-neutrare 300	Basic ingredients: amines, carboxylic acids. Standard cleaner with very good surface finish. 100% permeability on UF.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	20	80	8.9
P3-neutrare 310	Basic ingredients: amines, carboxylic acids. Cold sprayable cleaner with good cleaning performance and corrosion protection.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	20	80	8.9
P3-neutrare 400	Basic ingredients: amines, carboxylic acids. Cleaner with excellent corrosion protection. 100% permeability on UF.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	20	80	7.7
P3-neutrare 3300	Basic ingredients: amines, carboxylic acids. Self-demulsifying neutral cleaner. Excellent cleaning performance.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	30	80	9.1
P3-neutrare 3310	Basic ingredients: amines, carboxylic acids. Self-demulsifying neutral cleaner. Contains fungicide.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	30	80	9.7
P3-neutraon 5065	Basic ingredients: amines, carboxylic acids. Standard neutral cleaner, biostable formulation.	L	spray	■	■	■	■	■	■	■	■	■	50	80	9.4
P3-neutraon 5072	Basic ingredients: amines, carboxylic acids. Highly concentrated. Suitable for highly burdened systems.	L	spray	■	■	■	■	■	■	■	■	■	60	80	9.4
P3-neutraon 5088	Best-in-Class salt-free neutral cleaner. Excellent cleaning performance, also suitable for non-ferrous metals, cleaning prior to hardening processes.	L	spray	■	■	■	■	■	■	■	■	■	55	80	8.6
Neutral Cleaners with Organic Corrosion Inhibitors – Salt-containing															
P3-neutrare 750	Basic ingredients: amines, carboxylic acids. Neutral cleaner for heavy duty cleaning operations. Improved biostability. 100% permeability on UF.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	20	80	9.4
P3-neutrare 3700	Basic ingredients: amines, carboxylic acids. Self-demulsifying neutral cleaner with high cleaning performance.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	30	80	9.5
P3-neutraon 175	Basic ingredients: amines, carboxylic acids, phosphates. Neutral cleaner with excellent cleaning performance for light pigment soiling and lapping paste.	L	spray/dip	■	■	■	■	■	■	■	■	■	50	80	9.6
P3-neutraon 5230	Basic ingredients: amines, carboxylic acids. Neutral cleaner with excellent cleaning performance for light pigment soiling and lapping pastes. Foam-free even when contaminated with coolant emulsion.	L	spray	■	■	■	■	■	■	■	■	■	20	80	9.6
P3-neutrarel 5225	Basic ingredients: amines, carboxylic acids, phosphates. Cold sprayable neutral cleaner.	L	spray/ high pressure	■	■	■	■	■	■	■	■	■	20	80	9.2
P3-neutrarel 5227	Basic ingredients: neutralized carboxylic acids, phosphates. Amine-free, low COD product. Very good temporary corrosion protection also on cast iron.	L	spray	■	■	■	■	■	■	■	■	■	20	80	9.5

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				min	max	
Plastic Cleaners						
Plastiwash 1937	Basic ingredients: citric acids. Suitable for all types of plastics, recommended for conversion coating processes prior to painting. Phosphates-free.	L	spray	55	65	2.8
Plastiwash 1939-2	Basic ingredients: phosphoric citric acids. Suitable for all types of plastics, recommended for conversion coating processes prior to painting. Surfactant-free. Non foaming product.	L	spray	40	65	2.5
Plastiwash 8587-3	Basic ingredients: alkali hydroxides. Suitable for all types of plastics, recommended for conversion coating processes prior to painting. Surfactant-free. Non foaming product.	L	spray	45	65	11.4
Novarinse	Rinse aid, prior to painting especially for plastics.	L	spray	25	40	6.5
P3-upon 5800 ¹⁾	Basic ingredients: phosphates and surfactants. Cleaner for the removal of heavy soils and greasy contamination as well as pigmented, fatty acid containing drawing compounds from steel in spray application.	L	spray	40	80	12.0

¹⁾ Steel/Iron can be cleaned as well.

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Surfactants/Inhibitors/Antifoam						
Globex Plus 09	To improve economically degreasing properties for spray systems. Less surfactant needed / lower COD, wide range application.	L	spray	40	60	7.0
Ingodes 41C	Basic ingredients: Nonionic surfactants. Defoamer, silicon-free.	L	spray/dip	40	80	7.0
P3-cronisol 673	Oil based defoamer, high efficiency, no influence on a follow-up painting process.	L		–	–	
P3-emalam 0469	Based on nonionic and anionic surfactants. Degreasing booster for alkaline and neutral immersion systems.	L	dip	–	–	7.2
P3-neutraapon 5003	Cleaning booster / surfactant additiv. Improves the cleaning performance of neutral cleaners, replenishing after centrifuging, ultrafiltration or similar processes.	L	spray	50	80	–
P3-tensopon 0510	Degreasing booster for neutral and alkaline dip / flood systems, good permeability on UF / MF membranes.	L	dip	–	–	9.7
P3-tensopon 0682	Demulsifier / antifoam, splitting of emulsions.	L	spray	–	–	6.5
P3-tensopon LF 0503 IT	Boosting the degreasing properties of spray systems. Contains solvent.	L	spray	30	60	–
P3-tensopon 0506 IT	High efficient cleaning booster. Contains solvent.	L	dip	40	70	–
Ridosol 1270	Basic nonionic surfactants. Suitable for all materials.	L	spray/dip	50	60	5.0–7.0
Ridosol 27 B	Basic anionic and nonionic surfactants. Suitable for all materials.	L	dip	50	80	5.0–7.0
Synergic 2900	Degreasing booster for alkaline solutions, contains solvents. Low foaming.	L	spray	–	–	4.2

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