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Pocket Guide

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Nonionic Surfactants

Alcohol Ethoxylates

Product	Chemical nature		Cloud point [°C]	HLB value	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Dehydol LS 6	C ₁₂ C ₁₄ -Fatty alcohol	+ 6 EO	42/A	11.5	190	Liquid	²
Lutensol A 7 N		+ 7 EO	56/A	12	200	Liquid	¹
Lutensol A 7 N/MB		+ 7 EO	56/A	12	200	Liquid	¹
Dehydol LT 6	C ₁₂ C ₁₆ -Fatty alcohol	+ 6 EO	75/E	11	180	Liquid	²
Dehydol LT 7		+ 7 EO	53/A	12	40 (40 °C)	Liquid	¹
Dehydol LT 7/MB		+ 7 EO	53/A	12	40 (40 °C)	Liquid	¹
Dehydol 100		+ 9 EO	80/A	13	350 (30 °C)	Paste	¹
Lutensol AT 25 Powder	C ₁₆ C ₁₈ -Fatty alcohol	+ 25 EO	95/B	16	70 (60 °C)	Powder	¹
Lutensol AT 25 E		+ 25 EO	95/B	16	70 (60 °C)	Solid	¹
Lutensol AT 25 Flakes		+ 25 EO	95/B	16	70 (60 °C)	Flakes	¹
Lutensol AT 50 Powder		+ 50 EO	92/B	18	150 (60 °C)	Powder	¹
Lutensol AT 80 Powder		+ 80 EO	87/B	18.5	400 (60 °C)	Powder	¹
Lutensol AO 3		C ₁₃ C ₁₅ -Oxo alcohol	+ 3 EO	45/E	8	40	Liquid
Lutensol AO 5	+ 5 EO		62/E	10	80	Liquid	
Lutensol AO 7	+ 7 EO		43/A	12	100	Liquid	
Lutensol AO 8	+ 8 EO		52/A	12.5	30 (60 °C)	Paste	
Lutensol AO 11	+ 11 EO		86/A	14	30 (60 °C)	Paste	
Lutensol M 5	C ₁₀ C ₁₈ -Alcohol		+ 5 EO	61/E	11.4	<20 (60 °C)	Liquid
Lutensol M 5/MB		+ 5 EO	61/E	11.4	<20 (60 °C)	Liquid	¹
Lutensol M 7		+ 7 EO	75/E	12.9	50 (60 °C)	Paste	¹
Lutensol TO 2	C ₁₃ -Oxo alcohol	+ 2 EO	37/D	7	30	Liquid	
Lutensol TO 3		+ 3 EO	40/E	8	50	Liquid	
Lutensol TO 5		+ 5 EO	62/E	10.5	80	Liquid	
Lutensol TO 6		+ 6 EO	67/E	11	80	Liquid	
Lutensol TO 7		+ 7 EO	70/E	12	100	Liquid	
Lutensol TO 8		+ 8 EO	60/A	13	150	Liquid	

Biodegradable acc. OECD 301

































































Bio-based according to the EN17035 surfactant classification. For more information see page 18.

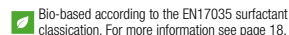
(Optionally) RSPO Certified

Our sustainable portfolio Legend table: Suitable for
 EU Ecolabel Blue Angel Nordic Swan Ecolabel

Important remarks Nordic Swan: At least one out of nine criteria is accessed if "suitable". For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable. For some products there might be a concentration of use limitation. Blue Angel: according to revision 2022.

Alcohol Ethoxylates














Product	Chemical nature	Cloud point [°C]	HLB value	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Lutensol TO 89 	C ₁₀ -Guerbet alcohol	+ 8 EO 90% 60/A	13	120	Liquid	
Lutensol TO 10 		+ 10 EO 70/A	13.5	30 (60 °C)	Paste	
Lutensol TO 109 		+ 10 EO 85% 70/A	13.5	150	Liquid	
Lutensol TO 12 		+ 12 EO 75/B	14.5	40 (60 °C)	Solid	
Lutensol TO 129 		+ 12 EO 85% 75/B	14.5	200	Liquid	
Lutensol TO 20 		+ 20 EO 86/B	16.5	60 (60 °C)	Solid	
Lutensol XP 30 		+ 3 EO 31/E	9	25	Liquid	
Lutensol XP 40 		+ 4 EO 44/E	10.5	90	Liquid	
Lutensol XP 50 		+ 5 EO 56/E	11.5	90	Liquid	
Lutensol XP 60 		+ 6 EO 62/E	12.5	140	Liquid	
Lutensol XP 69 		+ 6 EO 85% 62/E	12.5	70	Liquid	
Lutensol XP 70 		+ 7 EO 68/E	13	~ 290	Liquid	
Lutensol XP 79 		+ 7 EO 85% 68/E	13	90	Liquid	
Lutensol XP 80 		+ 8 EO 56/A	14	300	Liquid	
Lutensol XP 89 		+ 8 EO 85% 56/A	14	90	Liquid	
Lutensol XP 90 		+ 9 EO 69/A	14.5	1200	Liquid	
Lutensol XP 99 		+ 9 EO 85% 69/A	14.5	100	Liquid	
Lutensol XP 100 	+ 10 EO 80/A	15	30 (60 °C)	Paste		
Lutensol XL 40 	C ₁₀ -Guerbet alcohol alkoxylate	+ 4 EO 46/E	10.5	40	Liquid	
Lutensol XL 50 		+ 5 EO 60/E	11.5	50	Liquid	
Lutensol XL 60 		+ 6 EO 69/E	12.5	120	Liquid	
Lutensol XL 70 		+ 7 EO 68/E	13	70	Liquid	
Lutensol XL 79 		+ 7 EO 85% 68/E	13	120	Liquid	
Lutensol XL 80 		+ 8 EO 56/A	14	120	Liquid	
Lutensol XL 89 		+ 8 EO 80% 56/A	14	150	Liquid	
Lutensol XL 90 		+ 9 EO 69/A	14.5	30 (60 °C)	Liquid	
Lutensol XL 100 		+ 10 EO 80/A	15	30 (60 °C)	Paste	
Lutensol XL 140 		+ 14 EO 78/B	16	40 (60 °C)	Paste	
Lutensol ON 30 	C ₁₀ -Oxo alcohol	+ 3 EO 53/E	9	30	Liquid	
Lutensol ON 50 		+ 5 EO 67/E	11.5	40	Liquid	
Lutensol ON 70 		+ 7 EO 60/A	13	60	Liquid	
Lutensol ON 80 		+ 8 EO 80/A	14	100	Liquid	






Our sustainable portfolio Legend table: Suitable for
 EU Ecolabel  Blue Angel  Nordic Swan  Ecocert

Important remarks Nordic Swan: At least one out of nine criteria is assessed if "suitable".
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 Blue Angel: according to revision 2022.




















Alkyl Polyglucosides

Product	Chemical nature	Active content [%]	Density [g/cm ³]	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Glucopon 215 UP 	C ₈ C ₁₀ -Alkyl polyglucoside	64	1.14	3000	Liquid	
Glucopon 225 DK 		70	1.16	4500	Liquid	
Glucopon 425 N/HH	C ₈ C ₁₆ -Alkyl polyglucoside	50	1.12	500	Liquid	
Glucopon 50 G 	C ₁₂ C ₁₄ -Alkyl polyglucoside on inorganic and organic carrier	50	–	–	Granules	
Glucopon 600 CSUP 	C ₁₀ C ₁₆ -Alkyl polyglucoside	52	1.08 (40 °C)	2500 (40 °C)	Liquid	
Glucopon 650 EC 	C ₈ C ₁₆ -Alkyl polyglucoside	52	1.08 (40 °C)	2500 (40 °C)	Liquid	
Plantatex LLE 	Aqueous blend of alkyl polyglucosides and partial esters of fatty acids with glycerol	66	1.02	2100	Liquid	

Amine Ethoxylates

Product	Chemical nature	Cloud point [°C]	Amine number [mg KOH/g]	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Lutensol FA 12 K 	Coco amine + 12 EO	92/B	80	190	Liquid	
Demelan VPC	Blend of ethoxylated fatty amines and ethoxylated fatty alcohols	58/E	112	250	Liquid	

Emulsifiers and Solubilizers

Product	Chemical nature	Cloud point [°C]	HLB value	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Dehydol 04 Deo 	C ₈ -Fatty alcohol + 4 EO	74/E	11.5	30	Liquid	
Lutensol PO 5 	C ₈ C ₁₀ -Fatty alcohol + 5 EO	38/A	13	45	Liquid	
Emulan A 	Oleic acid ethoxylate	52/E	9	70	Liquid	
Emulan AT 9 	Fatty alcohol ethoxylate	68/A	13	20 (60 °C)	Solid	
Emulan EL 	Castor oil ethoxylate	71/B	14	600 (40 °C)	Liquid	
Emulan TO 4070 	Fatty alcohol ethoxylate	92/B	18	1400 (23 °C)	Liquid	
Lutensol CS 6250 	Alcohol ethoxylate	82/E	–	20	Liquid	
Mergital D 8	C8C10-Fatty alcohol + approx. 8 EO	80/A	13.9	110 (23 °C)	Liquid	
Monophenylglycol pure 	Phenoxyethanol			30 (20°C)	Liquid	
Phenoxypropanol 	Phenoxypropanol			35 (20°C)	Liquid	



Biodegradable acc. OECD 301



Bio-based according to the EN17035 surfactant classification. For more information see page 18.



(Optionally) RSPO Certified







Our sustainable portfolio Legend table: Suitable for

 EU Ecolabel  Blue Angel  Nordic Swan  Ecocert






























































Important remarks

Nordic Swan: At least one out of nine criteria is assessed if "suitable". For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable. For some products there might be a concentration of use limitation. Blue Engel: according to revision 2022.


Foam Suppressors

Product	Chemical nature	Concentration [%]	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Degressal SD 20 	Fatty alcohol alkoxylate	100	60	Liquid	
Degressal SD 40	Phosphoric ester	100	20	Liquid	
Dehypon OCP 502	Fatty alcohol alkoxylate	100	40	Liquid	  

Low-foaming Nonionic Surfactants

Product	Chemical nature	Cloud point [°C]	Viscosity [mPa-s]	Physical form [23 °C]	Sustainability
Dehypon 2574 	Fatty alcohol alkoxylates	20/A	90	Liquid	  
Dehypon LS 24		30/E	50	Liquid	  
Dehypon LS 36 		11/A	60	Liquid	  
Dehypon LS 45 		42/D	50	Liquid	  
Dehypon LS 54 		30/A	60	Liquid	  
Plurafac LF 120 		28/A	60	Liquid	
Plurafac LF 220 		95% 42/A	150	Liquid	
Plurafac LF 221 		95% 33/A	100	Liquid	
Plurafac LF 223 		98% 33/E	70	Liquid	
Plurafac LF 224 		27/E	55	Liquid	
Plurafac LF 300 		22/A	75	Liquid	
Plurafac LF 303 		29/E	350	Liquid	
Plurafac LF 305 		38/E	110	Liquid	
Plurafac LF 400 		33/A	70	Liquid	
Plurafac LF 401		74/A	170	Liquid	
Plurafac LF 403 		41/E	60	Liquid	
Plurafac LF 404		45/E	70	Liquid	
Plurafac LF 500		32/E	65	Liquid	  
Plurafac LF 711		45/E	80	Liquid	
Plurafac LF 801		42/E	65	Liquid	  
Plurafac LF 802 		56/A	260	Liquid	  
Plurafac LF 900 		39/E	85	Liquid	
Plurafac LF 901 		38/A	130	Liquid	
Plurafac LF 1300		21/E	130	Liquid	  
Plurafac SLF 180 		18/A	280	Liquid	

 Biodegradable acc. OECD 301

 Bio-based according to the EN17035 surfactant classification. For more information see page 18.

 (Optionally) RSPO Certified

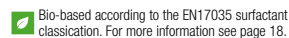
Our sustainable portfolio Legend table: Suitable for
 EU Ecolabel  Blue Angel  Nordic Swan  EcoCert

Important remarks Nordic Swan: At least one out of nine criteria is assessed if "suitable". For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable. For some products there might be a concentration of use limitation. Blue Angel: according to revision 2022.

Low-foaming Nonionic Surfactants

Product	Chemical nature	Cloud point [°C]	Viscosity [mPa·s]	Physical form [23 °C]	Sustainability
Plurafac LF 1430 ●●●	Amine alkoxyolate	35/A	450	Liquid	
Plurafac LF 131	Fatty alcohol alkoxyolate, end-capped	35/E	40	Liquid	
Plurafac LF 231		28/E	45	Liquid	
Plurafac LF 431		39/E	45	Liquid	
Dehypon LT 104		27/A	60 (30 °C)	Paste	1
Dehypon LT 104 L		85% 26/A	90	Liquid	1
Dehypon E 126 ●●	Fatty alcohol polyglycol ether, modified	46/E	90 (40 °C)	Solid	
Dehypon E 127 ●●●		50/E	100 (40 °C)	Solid	
Dehypon GRA ●●●		60/E	200 (60 °C)	Granules	1
Dehypon KE 3447 ●●●		90% 50/E	250	Liquid	1
Dehypon WET ●●●		90% 50/E	180 (30 °C)	Liquid	
Dehypon Shine ●	Modified fatty alcohol polyglycol ether	50/E	100 (40 °C)	Paste	

Product	Chemical nature	Cloud point [°C]	Molar mass [g/mol]	Viscosity [mPa·s]	Physical form [23 °C]	Sustainability
Pluronic PE 6100 ●●	PO-EO-block polymer					
	10% polyethylene glycol in molecule	23/A	2000	350	Liquid	
	20% polyethylene glycol in molecule	33/A	2450	500	Liquid	
	40% polyethylene glycol in molecule	60/A	2900	1000	Liquid	
Pluronic PE 8100 ●	10% polyethylene glycol in molecule	36/E	2600	700	Liquid	
Pluronic RPE 1720 ●	EO-PO-block polymer					
	20% polyethylene glycol in molecule	37/E	2150	450	Liquid	
Pluronic RPE 1740 ●	40% polyethylene glycol in molecule	51/E	2650	600	Liquid	
Pluronic RPE 2520 ●●	20% polyethylene glycol in molecule	31/E	3100	600	Liquid	
Pluronic RPE 3110 ●●	10% polyethylene glycol in molecule	25/E	3500	600	Liquid	



Our sustainable portfolio Legend table: Suitable for
 ● EU Ecolabel ● Blue Angel ● Nordic Swan ● Ecocert

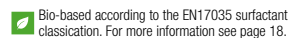
Important remarks Nordic Swan: At least one out of nine criteria is accessed if "suitable". For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable. For some products there might be a concentration of use limitation. Blue Engel: according to revision 2022.

Special Surfactants

Product	Chemical nature	Concentration [%]	Cloud point [°C]	Viscosity [mPa·s]	Physical form [23 °C]	Sustainability
Dehydol 980 ●●●	Fatty alcohol alkoxyolate	100	52/A	25 (40 °C)	Liquid	

Polyalkylene Glycols

Product	Chemical nature	Molar mass [g/mol]	Viscosity at 75 °C [mm²/s]	Melting point [°C]	Physical form [23 °C]	Sustainability
Pluriol E 200 ●●●	Polyethylene glycol, technical grade	200	60 (20 °C)	–	Liquid	
Pluriol E 600 ●●		600	40 (50 °C)	20	Liquid/Solid	
Pluriol E 1500 E ●●		1500	60	45	Solid	
Pluriol E 1500 Powder K ●●		1500	60	45	Powder	
Pluriol E 1500 Flakes ●●●		1500	60	45	Flakes	
Pluriol E 4000 ●●●		4000	260	55	Solid	
Pluriol E 4000 Powder ●●●		4000	260	55	Powder	
Pluriol E 4000 Flakes ●●●		4000	260	55	Flakes	
Pluriol E 6000 Flakes ●		6000	600	60	Flakes	
Pluriol P 600 ●●	Polypropylene glycol	600	130 (20 °C)	–	Liquid	



Solutions **Care 360°** for Sustainable Life

Think of it as a canvas where we can sketch the future and collaboratively find solutions for sustainable life.















Visit us:

Our sustainable portfolio Legend table: Suitable for
 ● EU Ecolabel ● Blue Angel ● Nordic Swan ● Ecocert



















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Anionic Surfactants




Fatty Alcohol Ethersulfates

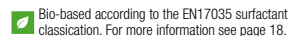
Product	Chemical nature	Concentration [%]	Physical form [23 °C]	Sustainability
Texapon N 70 	C ₁₂ C ₁₄ -Fatty alcohol ethersulfate (2 EO), sodium salt	70	Paste	
Texapon N 70/MB 		70	Paste	
Texapon N 701 	C ₁₂ C ₁₄ -Fatty alcohol ethersulfate (1 EO), sodium salt	70	Paste	
Texapon N 703 	C ₁₂ C ₁₄ -Fatty alcohol ethersulfate (3 EO), sodium salt	70	Paste	
Texapon NSO UP 	C ₁₂ C ₁₄ -Fatty alcohol ethersulfate (2 EO), sodium salt	28	Liquid	
Texapon NSO UP/MB 		28	Liquid	

Fatty Alcohol Sulfates

Product	Chemical nature	Concentration [%]	Physical form [23 °C]	Sustainability
Sulfofon 101 UP 	C ₁₂ C ₁₆ -Fatty alcohol sulfate, sodium salt	30	Liquid	
Sulfofon 1214 G 	C ₁₂ C ₁₄ -Fatty alcohol sulfate, sodium salt	95 – 99	Granules	
Sulfofon 1216 G 	C ₁₂ C ₁₈ -Fatty alcohol sulfate, sodium salt	90 – 95	Granules	
Sulfofon 1218 G 		90 – 95	Granules	
Texapon 842 UP 	C ₈ -Fatty alcohol sulfate, sodium salt	40	Liquid	
Texapon EHS 	2-Ethylhexyl sulfate, sodium salt	47	Liquid	
Texapon K 30 UP 	C ₁₂ C ₁₈ -Fatty alcohol sulfate, sodium salt	28 – 30	Liquid to Paste	
Texapon LS 30 	C ₁₂ C ₁₄ -Fatty alcohol sulfate, sodium salt	28 – 30	Liquid	
Texapon LS 30/MB 		28 – 30	Liquid	

Linear Alkyl Benzene Sulfonates

Product	Chemical nature	Concentration [%]	Physical form [23 °C]	Sustainability
Maranil DBS/E	Linear C ₁₀ C ₁₃ -alkyl benzene sulfonic acid	95	Liquid	
Maranil DBS/LC		95	Liquid	
Disponil LDBS 55	Linear C ₁₀ C ₁₃ -alkyl benzene sulfonate, sodium salt	55	Paste	



Other Surfactants

Product	Chemical nature	Concentration [%]	Viscosity [mPa·s]	Physical form [23 °C]	Sustainability
Dehypond SK 7	Blend of ethoxylated fatty alcohol and fatty acid	98		Liquid	
Dehypond GL	Blend of anionic and amphoteric surfactants		3 500 (23 °C)	Liquid	
Dehyquart CSP	Special cationic composition	80		Liquid	
Dehyton K	Cocoamidopropyl betaine	30	–	Liquid	
Dehyton KE UP		30	–	Liquid	
Dehyton PK 45		45	–	Liquid	
Dehyton PK 45 G		45	–	Liquid	
Dehyton PK 45 LA		45	–	Liquid	
Dehyton PK 45/MB		45	–	Liquid	
Dehyton PL	Lauramine oxide	30	40 (20 °C)	Liquid	
Dehyton P CAW	Cocamidopropylamine oxide	33	30 (23 °C)	Liquid	
Demelan AU-39/Bio	Blend of quaternized ethoxylated fatty oil and ethoxylated fatty amine	100		Liquid	
Disponil SUS IC 875	Di-isoctyl sulfosuccinate, sodium salt	75		Liquid	
Lutensit A-EP	Acid phosphoric ester of a fatty alcohol ethoxylate	100		Liquid	
Lorol Technisch	Saturated Fatty Alcohol	–		Liquid	
Soluprat Dish 30	Blend of anionic, nonionic and amphoteric surfactants	33	25 000 – 45 000 (25 °C)	Clear viscous paste	
Soluprat Laundry	Blend of ethoxylated fatty alcohol and Alkyl polyglucosides	70	1 000 (20 °C)	Liquid	

All data to be seen as approximately values
 ** = Main components yes

Biodegradable acc. OECD 301

Bio-based according to the EN17035 surfactant classification. For more information see page 18.

(Optionally) RSPO Certified

Our bio-based portfolio beyond surfactants

Classified according to below logic

Surfactant classification	Bio-based carbon [X% of total C]	Icon
Wholly bio-based surfactant	X ≥ 95	
Majority bio-based surfactant	95 > X > 50	
Minority bio-based surfactant	50 ≥ X > 5	
Non bio-based surfactant	X ≤ 5	

Bio-based classification	Renewable Carbon Index* [X% of total C]	Icon
Wholly bio-based	X ≥ 95	
Majority bio-based	95 > X > 50	
Minority bio-based	50 ≥ X > 5	
Non bio-based	X ≤ 5	

* RCI = Number of carbon atoms derived from renewable sources divided by the total number of carbon atoms

Test methods

■ Cloud point in °C according to EN 1890:

Method A: 1 g surfactant + 100 g distilled water

Method B: 1 g surfactant + 100 g NaCl solution (c = 50 g/L)

Method C: 1 g surfactant + 100 g NaCl solution (c = 100 g/L)

Method D: 5 g surfactant + 45 g of diethylene glycol monobutyl ether solution (c = 250 g/L)

Method E: 5 g surfactant + 25 g of diethylene glycol monobutyl ether solution (c = 250 g/L)

■ Viscosity: EN 12092 Brookfield, 60 rpm [mPa·s], 23 °C

■ Viscosity: Ubbelohde according to DIN 51562 [mm²/s]

■ Molar mass calculated from hydroxyl number according to DIN 53240 or PSA method

■ HLB value according to W.C. Griffin

■ Melting point: BASF method

Our sustainable portfolio Legend table: Suitable for


EU Ecolabel Blue Angel Nordic Swan Ecocert

Important remarks

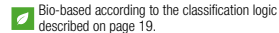
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 Blue Angel: according to revision 2022.

Performance Boosters

Dispersing Ingredients

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	pH	Bulk density [g/L]	Density [g/cm ³]	Viscosity [mPa·s]	Sustainability
Sokalan HP 20 ●●	Multifunctional polyethylene imine	Liquid	80		10	–	1.12	850	
Sokalan HP 20 EcoBalanced ●●		Liquid	80		10	–	1.12	850	
Sokalan HP 25 ●	Polycarboxylate, modified	Liquid	45	3 000	7.5	–	1.10	10 000	
Sokalan HP 96	Multifunctional diamine	Liquid	70		9.5	–	1.13 (25 °C)	350 (20 °C)	
Sokalan SR 400 A	Aqueous acrylic copolymer solution	Liquid	3		4	–	1.06	60	
Sokalan CP 5 ●●	Maleic acid/acrylic acid copolymer, sodium salt	Liquid	40	70 000	8	–	1.30	2 000	
Sokalan CP 5 EcoBalanced ●●		Liquid	40	70 000	8	–	1.30	2 000	
Sokalan CP 5 Granules ●●		Granules	92	70 000	8	580	–	–	
Sokalan CP 45 Granules* ●●		Granules	92	70 000	4	560	–	–	
Sokalan CP 7 Granules NL ●		Granules	92	50 000	8	660	–	–	
Sokalan CP 9 ●●	Maleic acid/olefin copolymer, sodium salt	Liquid	25	12 000	11.5	–	1.12	50	
Sokalan CP 9 Powder ●		Powder	min. 89	–	11	450	–	–	
Sokalan CP 10 ●●	Polyacrylic acid modified, sodium salt	Liquid	45	4 000	8.5**	–	1.30	500	
Sokalan CP 10 S ●●	Polyacrylic acid, modified	Liquid	50	4 000	2	–	1.16	150	
Sokalan CP 12 S	Maleic acid/acrylic acid copolymer	Liquid	50	3 000	1.5	–	1.23	130	
Sokalan CP 13 S	Polyacrylic acid, modified	Liquid	25	20 000	2	–	1.20	200	
Sokalan CP 50 ●●	Polycarboxylate modified, sodium salt	Liquid	40		5	–	1.20	350	
Sokalan CP 50 Granules ●●		Granules	90		5	600	–	–	
Sokalan PA 15 ●●	Polyacrylic acid, sodium salt	Liquid	45	1 200	7	–	1.31	230	
Sokalan PA 25 CL Granules ●●		Granules	92	4 000	8	600	–	–	
Sokalan PA 25 CL PN* ●●		Liquid	49	4 000	4	–	1.25	600	
Sokalan PA 25 CL PN* EcoBalanced ●●		Liquid	49	4 000	4	–	1.25	600	
Sokalan PA 30 CL ●●		Liquid	45	8 000	8	–	1.34	1 000	
Sokalan PA 30 CL Granules ●●		Granules	92	8 000	8	620	–	–	
Sokalan PA 30 CL PN Granules* ●●		Granules	93	8 000	4	620	–	–	

* = partially neutralized
 ** = undiluted, DIN 19268



Our sustainable portfolio Legend table: Suitable for
 ● EU Ecolabel ● Blue Angel ● Nordic Swan ● Ecocert

Important remarks Nordic Swan: At least one out of nine criteria is accessed if "suitable".
 For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable.
 For some products there might be a concentration of use limitation.
 Blue Engel: according to revision 2022.

Surface Care Ingredients

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	pH	Bulk density [g/L]	Density [g/cm ³]	Viscosity [mPa-s]	Sustainability
Polyquart 149 A	Acrylic copolymer, sodium salt	Liquid	22		6.5**	–	1.05	250	
Polyquart Pro A		Liquid	22		6.5**	–	1.03	250	
Polyquart Ecoclean ●●	Amphoteric modified starch	Liquid	22		5.6**	–	1.10	10	
Polyquart S Granules ●●●		Granules	97		7	650	–	–	
Polyquart PN 60 ●	Polyethylene imine, modified	Liquid	40		4	–	1.13	500	
Polyquart SD 09	Cationic copolymer	Liquid	9		6.5	–	1.06	8500	

** = undiluted, DIN 19268

Color Care Ingredients

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	pH	Bulk density [g/L]	Density [g/cm ³]	Viscosity [mPa-s]	Sustainability
Sokalan HP 53 ●●●	Polyvinylpyrrolidone	Liquid	30	40 000	6	–	1.07	120	
Sokalan HP 165 ●●●		Liquid	30	9 000	4**	–	1.06	20	
Sokalan HP 56 A ●●●	Vinylpyrrolidone/ Vinylimidazole copolymer	Liquid	30	70 000	8	–	1.07	300	
Sokalan HP 56 A EcoBalanced ●●●		Liquid	30	70 000	8	–	1.07	300	
Sokalan HP 56 Granules ●●●		Granules	95	70 000	8	450	–	–	
Sokalan HP 66 A ●●●	Vinylpyrrolidone/ Vinylimidazole copolymer, modified	Liquid	41	–	8	–	1.09	2000	

** = undiluted, DIN 19268

Thickeners

Product	Chemical nature	Physical form	Concentration [%]	pH	Bulk density [g/L]	Density [g/cm ³]	Viscosity [mPa-s]	Sustainability
Rheovis AT 120 ●	Methacrylic acid/acrylic acid ester copolymer, modified	Dispersion	30	3	–	1.05	30	
Rheovis CDE Pro	Cationic acrylic polymer based on "Liquid Dispersion Polymer Technology"	Dispersion	50	3.5**	–	1.04	150	
Rheovis CSP	Polyacrylamide, cationically modified	Pearl	100	4	800	–	–	
Rheovis TTA ●●	Acrylic copolymer, modified	Dispersion	30	2**	–	1.07	6 000	

** = undiluted, DIN 19268

All data are to be seen as approximately values



Bio-based according to the classification logic described on page 19.

























Our sustainable portfolio Legend table: Suitable for

● EU Ecolabel ● Blue Angel ● Nordic Swan ● Ecocert

Important remarks

Nordic Swan: At least one out of nine criteria is assessed if "suitable". For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable. For some products there might be a concentration of use limitation. Blue Engel: according to revision 2022.

Chelating Agents

Product	Chemical nature	Physical form	Concentration [%]	pH [1% in Water]	Bulk density [g/L]	Density 20 °C [g/cm ³]	Sustainability
Trilon BD	Disodium salt of Ethylenediamine-tetraacetic acid (EDTA)	Powder	min. 89	4.5	950	–	
Trilon B liquid	Tetrasodium salt of EDTA	Liquid	40	11.5	–	1.31	
Trilon B Powder		Powder	87	11.5	700	–	
Trilon BS	Ethylenediaminetetraacetic acid	Powder	min. 99	2.8	820	–	
Trilon BX Liquid	Tetrasodium salt of EDTA	Liquid	40	11.5	–	1.28	
Trilon BX Powder		Powder	84	11.2	845	–	
Trilon M Liquid 	Trisodium salt of Methyl-glycinediacetic acid (MGDA)	Liquid	40	11.0	–	1.31	
Trilon M Powder 		Powder	87	11.2	750	–	
Trilon M Max BioBased L 		Liquid	40	11.0	–	1.30	 
Trilon M Max BioBased Gran 		Granules	80	11.3	780	–	 
Trilon M Max EcoBalanced 		Liquid	40	11.0	–	1.30	 
Trilon M Max EcoBalanced Gran 		Granules	80	11.5	760	–	 
Trilon Ultimate 1 G 	Preparation based on Trisodium salt of MGDA	Granules	min. 77	11.5	760	–	 
Trilon Ultimate 2 G 		Granules	min. 80	11.5	760	–	 

All data are to be seen as approximately values
 ** = Main components yes



Biodegradable







Bio-based according to the classification logic described on page 19.



(Optionally) RSPO Certified

Our sustainable portfolio Legend table: Suitable for

 EU Ecolabel  Blue Angel  Nordic Swan  Ecocert

Important remarks

Nordic Swan: At least one out of nine criteria is accessed if "suitable".
 For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable.
 For some products there might be a concentration of use limitation.
 Blue Engel: according to revision 2022.

Metal Surface Treatment

Corrosion Inhibitors

Product	Chemical nature	Concentration [%]	Physical form	pH	Sustainability
Korantin MAT ●	Aliphatic dicarboxylic acid monoalkylamide in triethanolamine	100	Liquid	8.4 – 9.0 (5% in water)	
Korantin TC-SH	Oleoyl sarcosine in acidic form	100	Liquid	4 (1% in water)	

Acids

Product	Chemical nature	Concentration [%]	Physical form	Density 20 °C [g/cm ³]	Sustainability
Lutropur MSA ●●●	Methanesulfonic acid in water	~ 70	Liquid	~ 1.35	
Luvipur FM 75 ●	Formic acid	min. 75	Liquid	~ 1.18	
Luvipur FM 85		min. 85	Liquid	~ 1.19	
Luvipur FM 99		min. 99	Liquid	~ 1.22	
Sokalan DCS ●●	Mixture of dicarboxylic acids	~ 99	Flakes	–	

Biocides

Product	Chemical nature	Concentration [%]	Physical form	CAS Number (active substance)	Sustainability
Protectol BN ●	Bronopol	min. 99.0	Solid	52-51-7	
Protectol FM 75 ●	Formic acid	~ 75	Liquid	64-18-6	
Protectol FM 85		~ 85	Liquid	64-18-6	
Protectol FM 99		~ 99	Liquid	64-18-6	
Protectol GA 24	Glutaraldehyde	~ 24	Liquid	111-30-8	
Protectol GA 24 AS		~ 24	Liquid	111-30-8	
Protectol GA 50		~ 50.0	Liquid	111-30-8	
Protectol GA 50 AS		~ 50.0 – 51.0	Liquid	111-30-8	
Protectol GA 50 non BPR		~ 50.0 – 51.0	Liquid	111-30-8	
Protectol GL	Glyoxal	~ 40	Liquid	107-22-2	
Protectol GL non BPR		~ 40	Liquid	107-22-2	
Protectol NP S	n-Propanol	min. 99.9	Liquid	71-23-8	
Protectol PE ●●●	Phenoxyethanol	min. 99.5	Liquid	122-99-6	
Tinosan HP 100	Dichlorohydroxydiphenylether (DCPP)	~ 30	Liquid	3380-30-1	

Requirement for the European Regulation EU/528/2012

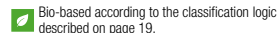
(Biocidal Products Regulation) Use biocides safely.

Always read the label and product information before use.

All data marked with ~ are to be seen as approximately values.



Biodegradable



Bio-based according to the classification logic described on page 19.



(Optionally) RSPO Certified

Our sustainable portfolio Legend table: Suitable for


● EU Ecolabel ● Blue Angel ● Nordic Swan ● Ecocert

Important remarks

Nordic Swan: At least one out of nine criteria is accessed if "suitable".
For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable.
For some products there might be a concentration of use limitation.
Blue Engel: according to revision 2022.

Optical Effect Products and Stabilizers




Antioxidants

Product	Chemical nature	Physical form	Active content [%]	Solubility	Recommended use level [%]	Sustainability
Tinogard DA	Thiodipropionate ester	Flakes	≥ 95	Oil (water compatible)	0.01 – 0.1	
Tinogard TT	Phenolic antioxidant	Powder	≥ 98	Oil	0.01 – 0.1	
Tinogard TS		Fine granules	≥ 99	Oil (water compatible)	0.01 – 0.1	



Excited State Quenchers (for light stabilization)

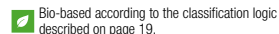
Product	Chemical nature	Physical form	Active content [%]	Solubility	Recommended use level [%]	Sustainability
Tinogard Q 	Hindered amine light stabilizer	Yellowish to orange liquid	10	Water and alcohol	0.01 – 0.1	

Fluorescent Whitening Agents (FWAs)

Product	Chemical nature	Appearance	Active content [%]	Solubility	Shelf life	Sustainability
Tinopal CBS-X  	Distyryl biphenyl derivative	Free flowing granules	90	100g/L in dist. Water, 70°C	5 years	
Tinopal CBS SP Slurry 33 		Flowable suspension	30	250g/L in dist. Water, 70°C	1 year	
Tinopal CBS-CL		Clear solution	10	100g/L in dist. Water, 25°C	2 years	

UV-Light Stabilizers

Product	Chemical nature	Physical form	Active content [%]	Solubility	Recommended use level [%]	Sustainability
Cibafast HA Liquid  	Solution of sulfonated benzotriazole	Yellowish to brown liquid	33	Water and alcohol	0.03 – 0.3	
Tinogard HS	Sulfonated benzotriazole	White powder	≥ 98	Water and alcohol	0.01 – 0.1	
Tinogard TL	Benzotriazole derivative	Yellowish liquid	≥ 93	Oil and alcohol	0.01 – 0.1	



Brighten up your day

Looking for a brilliant laundry solution? Our One-Fits-All Solution is sure to brighten up the day for your customers! By combining our new Cellulase **Lavergy® C Bright 100 L** with BASF's best Home Care and I&I ingredients, we've made graying of garments a thing of the past. Whether white or colored clothes, cotton or synthetic fabrics – after multiple washes textiles still look like new. And the environment benefits too: Lavergy® C Bright 100 L meets the criteria for a variety of Ecolabels.

The BASF One-Fits-All Solution – makes laundry a pleasure!



Our improved Protease solutions for your customer needs:

Hot results with a cool wash Lavergy® Pro 106 L/Lavergy® Pro 106 LS

- High Performance Protease, already efficient at low temperature
- No added preservation, for a better sustainability profile

Less is more, for a sustainable future Lavergy® Pro 114 LS

- Premium Protease with an outstanding wash performance
- Highly efficient already at low washing temperatures, to enable energy savings
- No preservation added which supports the market need for more environmentally friendly products
- Efficient non boron stabilizing technology to increase your sustainability level

<https://www.homecare-and-i-and-i.basf.com>

Enzymes

Product	Chemical nature	Physical form	pH	Density at 20 °C [g/cm ³]	Activity [BCU/BPU/g]	Sustainability
Lavergy C Bright 100 L ●●	Cellulase preparation	Clear amber solution	5 – 7	1.0 – 1.1	> 5000	2
Lavergy Pro 106 L ●●	Protease preparation	Clear yellowish liquid	5 – 7	1.0 – 1.1	> 10000	1
Lavergy Pro 106 LS ●●●		Clear yellowish liquid	7 – 9	1.0 – 1.1	> 10000	1
Lavergy Pro 114 LS ●●●		Clear yellowish liquid	5 – 7	1.0 – 1.1	> 10000	1

* BCU = BASF Cellulase Unit / BPU = BASF Protease Unit

Waxes and Wax Emulsions

Polyether Wax

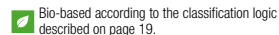
Product	Chemical nature	Dropping point Ubbelohde [°C] DIN ISO 2176 ASTM D-3954	Acid number [mg KOH/g] DIN EN ISO 2114 ASTM D-1386	Melt viscosity [mPa·s] BASF Method RotoVisco 1 (120 °C)	Ball hardness (Fischer, 23 °C) [N/mm ²] DIN EN ISO 6507-1
Poligen Wax V Flakes	Polyvinyl ether wax	49 – 53	0	180	28 – 32

Wax Emulsions

Product	Chemical nature	Solids content [%]	pH-value 23 °C DIN 19268	Viscosity (ISO cup, 4 mm) [s] DIN EN ISO 2431
Poligen WE 1	Oxidized polyethylene wax	34 – 35	9 – 10	20 – 36
Poligen WE 3	Ethylene copolymer wax	24 – 26	8.5 – 9.5	< 85*
Poligen WE 6	Oxidized polyethylene wax	33 – 36	7.5 – 9.5	20 – 60

* = DIN EN ISO cup 5 mm (23 °C)

All data to be seen as approximately values



Test methods for Sokalan types

Physical form	at 25 °C
Concentration	ISO 3251 drying to constant mass
Average molar mass	Gel Permeation Chromatography (calibration with polystyrene sulfonates/or polyacrylates)
pH-value	DIN 19268, 10% dry substance in dist. water
Bulk density	ISO 697
Density	DIN 51757, 25 °C
Viscosity	Brookfield, 25 °C, undiluted

Test methods for Rheovis types

Physical form	at 25 °C
Concentration	specific for each product, please refer to the Product Specification
pH-value	DIN 19268, 1% in dist. water
Bulk density	ISO 697
Density	DIN 51757, 25 °C
Viscosity	Brookfield, 25 °C, undiluted

Our sustainable portfolio Legend table: Suitable for

● EU Ecolabel ● Blue Angel ● Nordic Swan ● Ecocert

Important remarks

Nordic Swan: At least one out of nine criteria is accessed if "suitable".
For new evaluations: Nordic Swan might be possible if EU Ecolabel is suitable.
For some products there might be a concentration of use limitation.
Blue Angel: according to revision 2022.

Biodegradability of Products

Available readily biodegradable products acc. OECD 301

Dehydol LS 6	Disponil SUS IC 875	Lutensol FA 12 K	Lutensol XP 50	Plurafac LF 403	Protectol FM 99
Degressal SD 20	Emulan A	Lutensol M 5	Lutensol XP 60	Plurafac LF 404	Protectol GA 24
Degressal SD 40	Emulan AT 9	Lutensol M 5/MB	Lutensol XP 69	Plurafac LF 431	Protectol GA 24 AS
Dehydol 04 Deo	Emulan EL	Lutensol M 7	Lutensol XP 70	Plurafac LF 500	Protectol GA 50
Dehydol 100	Emulan TO 4070	Lutensol ON 30	Lutensol XP 79	Plurafac LF 711	Protectol GA 50 AS
Dehydol 980	Glucopon 50 G	Lutensol ON 50	Lutensol XP 80	Plurafac LF 801	Protectol GA 50 non BPTR
Dehydol LS 6	Glucopon 215 UP	Lutensol ON 70	Lutensol XP 89	Plurafac LF 802	Protectol PE
Dehydol LT 6	Glucopon 225 DK	Lutensol ON 80	Lutensol XP 90	Plurafac LF 900	Soluprat Dish 30
Dehydol LT 7	Glucopon 425 N/HH	Lutensol PO 5	Lutensol XP 99	Plurafac LF 901	Soluprat Laundry
Dehydol LT 7/MB	Glucopon 600 CSUP	Lutensol TO 2	Lutensol XP 100	Plurafac LF 1300	Sulfopon 101 UP
Dehypon 2574	Glucopon 650 EC	Lutensol TO 3	Lutropur MSA	Plurafac LF 1430	Sulfopon 1214 G
Dehypon E 126	Korantin MAT	Lutensol TO 5	Luvipur FM 75	Plurafac SLF 180	Sulfopon 1216 G
Dehypon E 127	Korantin TC-SH	Lutensol TO 6	Luvipur FM 85	Pluriol E 200	Sulfopon 1218 G
Dehypon GRA (main components yes)	Lavergy C Bright 100 L	Lutensol TO 7	Luvipur FM 99	Pluriol E 600	Texapon 842 UP
Dehypon KE 3447	Lavergy Pro 106 L	Lutensol TO 8	Maranil DBS/E	Pluriol E 1500 E	Texapon EHS
Dehypon LS 24	Lavergy Pro 106 LS	Lutensol TO 10	Maranil DBS/LC	Pluriol E 1500 Flakes	Texapon K 30 UP
Dehypon LS 36	Lavergy Pro 114 LS	Lutensol TO 12	Mergital D 8	Pluriol E 1500 Powder K	Texapon LS 30
Dehypon LS 45	Lorol Technisch	Lutensol TO 20	Disponil LDBS 55	Pluriol E 4000	Texapon LS 30/MB
Dehypon LS 54	Lutensit A-EP	Lutensol TO 89	Monophenyglycol pure	Pluriol E 4000 Flakes	Texapon N 70
Dehypon LS 104	Lutensol AO 3	Lutensol TO 109	Phenoxypropanol	Pluriol E 4000 Powder	Texapon N 70/MB
Dehypon LT 104 L	Lutensol AO 5	Lutensol TO 129	Plantatex LLE	Pluriol P 600	Texapon N 701
Dehypon OCP 502	Lutensol AO 7	Lutensol XL 40	Plurafac LF 120	Pluronic PE 6100	Texapon N 703
Dehypon WET	Lutensol A 7 N	Lutensol XL 50	Plurafac LF 131	Pluronic PE 6200	Texapon NSO UP
Dehyquart CSP	Lutensol A 7 N/MB	Lutensol XL 60	Plurafac LF 220	Pluronic PE 6400	Texapon NSO UP/MB
Dehyton K	Lutensol AO 8	Lutensol XL 70	Plurafac LF 221	Pluronic PE 8100	Tinogard DA
Dehyton KE UP	Lutensol AO 11	Lutensol XL 79	Plurafac LF 223	Pluronic RPE 1720	Trilon M Liquid
Dehyton P CAW	Lutensol AT 25 E	Lutensol XL 80	Plurafac LF 224	Pluronic RPE 1740	Trilon M Max BioBased L
Dehyton PK 45	Lutensol AT 25 Flakes	Lutensol XL 89	Plurafac LF 231	Pluronic RPE 2520	Trilon M Max EcoBalanced
Dehyton PK 45 G	Lutensol AT 25 Powder	Lutensol XL 90	Plurafac LF 300	Pluronic RPE 3110	Trilon M Powder
Dehyton PK 45/MB	Lutensol AT 50 Powder	Lutensol XL 100	Plurafac LF 303	Polyquart Ecoclean	Trilon Ultimate 1 G (main components yes)
Dehyton PK 45 LA	Lutensol AT 80 E	Lutensol XL 140	Plurafac LF 305	Polyquart S Granules	Trilon Ultimate 2 G (main components yes)
Dehyton PL	Lutensol AT 80 Powder	Lutensol XP 30	Plurafac LF 400	Protectol FM 75	
	Lutensol CS 6250	Lutensol XP 40	Plurafac LF 401	Protectol FM 85	

Please note: in case of mixtures all organic compounds are readily biodegradable
Requirement for the European Regulation EU/528/2012 (Biocidal Products Regulation) Use biocides safely.
Always read the label and product information before use.

Roundtable on Sustainable Palm Oil (RSPO)

Products (optionally) available with RSPO certificate

Dehydol 04 DEO	Dehypon SK 7	Lutensol AT 25 Powder
Dehydol 100	Dehyton P CAW	Lutensol AT 50 Powder
Dehydol 980	Dehyton PK 45/MB	Lutensol AT 80 Powder
Dehydol LS 6	Dehyton PL	Lutensol M 5/MB
Dehydol LT 6	Demelan VPC	Lutensol M 7
Dehydol LT 7/MB	Emulan AT 9	Lutensol PO 5
Dehypon 2574	Glucopon 215 UP	Mergital D 8
Dehypon KE 3447	Glucopon 225 DK	Plantatex LLE
Dehypon LS 24	Glucopon 425 N/HH	Plurafac LF 802
Dehypon LS 36	Glucopon 600 CSUP	Plurafac LF 500
Dehypon LS 45	Glucopon 650 EC	Plurafac LF 1300
Dehypon LS 54	Lutensol A 7 N/MB	Texapon LS 30/MB
Dehypon OCP 502	Lutensol AT 25 E	Texapon N 70/MB
Dehypon GL	Lutensol AT 25 Flakes	Texapon NSO UP/MB

Products with /MB suffix are RSPO certified by default. All other products only on request.

Your benefits

- Same performance level
- Significant reduction of CO₂ emission with RSPO products
- RSPO certificate for products available

EcoBalanced Products

Sokalan CP 5 EcoBalanced
Sokalan HP 20 EcoBalanced
Sokalan HP 56 A EcoBalanced
Sokalan PA 25 CL PN* EcoBalanced
Trilon M Max EcoBalanced
Trilon M Max EcoBalanced Gran

EcoBalanced

Performance and sustainability
in balance

Find the right balance with
BASF's EcoBalanced solution!

Your benefits:

Environmental friendliness

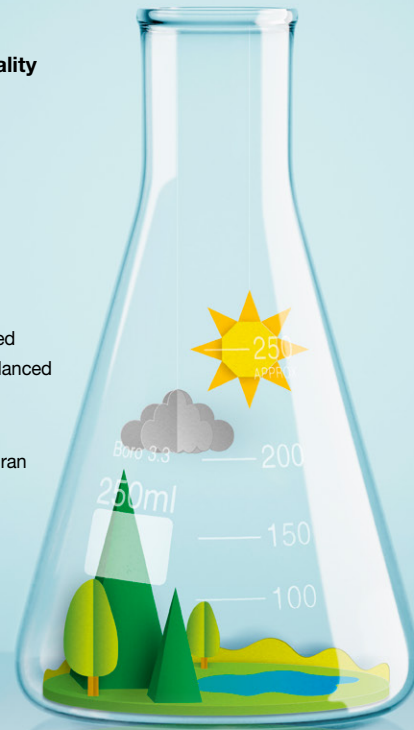
- Derived from **renewable feedstock** according to the Biomass Balance Approach (**Independently certified** – REDcert[®])
- Significantly **reduced CO₂ emissions**

Top performance

- **Unchanged product quality**
- **Drop-in solution:**
No need to reformulate

Now available as Biomass Balanced versions:

Sokalan[®] HP 20 EcoBalanced
Sokalan[®] HP 56 A EcoBalanced
Sokalan[®] PA 25 CL PN EcoBalanced
Sokalan[®] CP 5 EcoBalanced
Trilon[®] M Max EcoBalanced
Trilon[®] M Max EcoBalanced Gran



We are continuously expanding our EcoBalanced portfolio
to make your products 100% EcoBalanced!



DISHWASHING

Automatic Dishwashing Cleaners

Chelating of Metal Ions

Claim	Product
Easy handling	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1 G, Trilon Ultimate 2 G
Scale dissolution	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1 G, Trilon Ultimate 2 G
Strong chelating power	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1 G, Trilon Ultimate 2 G
Strong cleaning performance	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1 G, Trilon Ultimate 2 G
Prevention of build-up and filming	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1 G, Trilon Ultimate 2 G

Chelating of Metal Ions Plus Extra Glass Care

Easy handling	Trilon Ultimate 2 G
Glass protection	Trilon Ultimate 2 G
Prevention of build-up and filming	Trilon Ultimate 2 G
Scale dissolution	Trilon Ultimate 2 G
Strong chelating power	Trilon Ultimate 2 G
Strong cleaning performance	Trilon Ultimate 2 G

Chelating of Metal Ions Plus Innovative Product Color Stability

Color care/stabilization	Trilon Ultimate 1 G
Easy handling	Trilon Ultimate 1 G
Prevention of build-up and filming	Trilon Ultimate 1 G
Scale dissolution	Trilon Ultimate 1 G
Strong chelating power	Trilon Ultimate 1 G
Strong cleaning performance	Trilon Ultimate 1 G

Cleaning

Excellent cleaning performance	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1G, Trilon Ultimate 2G, Sokalan CP 50 Granules, Sokalan PA 15, Sokalan PA 25 CL Granules, Sokalan PA 30 CL Granules
Scale dissolution	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1G, Trilon Ultimate 2G
Strong chelating power	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1G, Trilon Ultimate 2G

Foam Control

Excellent defoaming properties	Dehypon LS 36, Plurafac LF 303, Plurafac LF 305, Plurafac LF 500, Plurafac SLF 180
Low foaming	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon WET, Dehypon Shine, Dehypon LS 54, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901

Optical Effects

Aesthetic appearance	Trilon Ultimate 1 G
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Performance Booster

Excellent rinse performance (filming and spotting)	Polyquart S Granules
Improve build-up performance	Polyquart S Granules
Readily biodegradable	Polyquart S Granules
Easy handling	Polyquart S Granules

Scale Inhibition

Scale inhibition	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1G, Trilon Ultimate 2G, Sokalan PA 15, Sokalan PA 25 CL Granules, Sokalan PA 30 CL Granules
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Rinse Efficiency

Carry over effect	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon WET, Dehypon Shine
Excellent plastic drying	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon WET, Dehypon Shine, Plurafac SLF 180, Plurafac LF 802
Excellent rinse performance (filming and spotting)	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon LS 54, Dehypon WET, Dehypon Shine, Polyquart S Granules, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901, Plurafac SLF 180
Perfect shine	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon LS 54, Dehypon WET, Dehypon Shine, Polyquart S Granules, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901, Plurafac SLF 180

Quick and spotless drying	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon LS 54, Dehypon WET, Dehypon Shine, Polyquart S Granules, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901, Plurafac SLF 180
Suitable for multifunctional ADW products	Dehypon E 126, Dehypon E 127, Dehypon GRA, Dehypon WET, Dehypon Shine

Automatic Dishwashing Rinse Aids

Rinse Efficiency

Excellent wetting	Dehypon LS 45, Dehypon LS 54, Plurafac LF 120, Plurafac LF 220, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901
Excellent plastic drying	Plurafac SLF 180, Plurafac LF 802
Excellent rinse performance (filming and spotting)	Dehypon LS 54, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901, Plurafac SLF 180
Low foaming	Plurafac LF 120, Plurafac LF 303, Plurafac LF 305, Plurafac LF 500
Perfect shine	Dehypon LS 54, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901, Plurafac SLF 180
Quick and spotless drying	Dehypon LS 54, Plurafac LF 221, Plurafac LF 300, Plurafac LF 900, Plurafac LF 901, Plurafac SLF 180

Hand Dishwashing

Antimicrobial Effect

Long lasting hygiene	Tinosan HP 100
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Cleaning

Strong cleaning performance	Texapon N 70, Texapon NSO UP, Maranil DBS/E, Maranil DBS/LC, Sulfofon 101 UP, Sulfofon 1214 G, Sulfofon 1216 G, Sulfofon 1218 G, Texapon N 70, Dehyton PK 45, Dehyton PL, Lutensol XP 60, Lutensol XP 80, Lutensol XL 80, Lutensol TO 8, Dehyton P CAW, Glucofon 600 CSUP, Glucofon 215 UP
Strong chelating power	Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran, Trilon M Max BioBased Gran, Trilon Ultimate 1G, Trilon Ultimate 2
100% renewable based	Glucofon 600 CSUP, Glucofon 650 EC, Glucofon 215 UP
Excellent emulsification	Lutensol TO 8
Perfect shine	Dehyton PK 45, Dehyton PL, Glucofon 600 CSUP, Glucofon 650 EC, Lutensol XP 60, Lutensol XP 80, Lutensol XL 80

Dirt Removal (Grease)

Degreasing	Dehyton PK 45, Dehyton PL, Lutensol XP 60, Lutensol XP 80, Lutensol XL 80, Lutensol TO 8, Texapon N 70, Texapon NSO UP/MB, Maranil DBS/E, Maranil DBS/LC, Sulfofon 101 UP, Sulfofon 1214 G, Sulfofon 1216 G, Sulfofon 1218 G
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Foam Control

High foaming	Dehyton P CAW, Texapon N 70, Texapon NSO UP/MB, Dehyton PL, Glucofon 600 CSUP, Glucofon 215 UP, Dehyton PK 45 LA, Dehyton K
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Formulation Stabilization

Formulation protection	Tinogard Q, Tinogard DA, Cibafast HA Liquid
Long lasting stabilization	Tinogard Q, Tinogard DA, Cibafast HA Liquid

Skin Care

Dermatologically tested	Glucofon 600 CSUP, Glucofon 650 EC
Sensitive skin	Texapon N 70, Texapon NSO UP/MB, Glucofon 600 CSUP, Glucofon 650 EC, Dehyton K, Dehyton PK 45 LA, Dehyton P CAW, Plantatex LLE

Formulation Preservation

Incan preservation	Protectol PE, Protectol BN
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Rheology Modifier

Aesthetic appearance	Rheovis TTA
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Hydrotrope

Solubilisation	Texapon EHS, Texapon 842 UP
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LAUNDRY

Antibacterial and Antimicrobial Effects (active substance)

Claim	Product
Long-lasting hygiene	Tinosan HP 100

Co-builder

Anti-graying	Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan HP 96, Sokalan CP 9, Lavergy C Bright 100 L
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Control of Water Hardness

Anti-graying	Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 45 Granules, Sokalan CP 10, Sokalan PA 25 CL Granules, Sokalan CP 7 Granules NL, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced
Excellent dispersion	Sokalan PA 25 CL Granules, Sokalan CP 7 Granules NL, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 45 Granules, Sokalan CP 10
Incrustation inhibition	Sokalan PA 25 CL Granules, Sokalan CP 7 Granules NL, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 45 Granules, Sokalan CP 10
Soil and stain removal	Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 7, Sokalan CP 10, Sokalan CP 45 Granules, Sokalan PA 25 CL Granules, Sokalan CP 7 Granules NL, Sokalan SR 400 A, Trilon M Powder, Trilon M Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced
Sustainable chelating agent	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced

Dispersion, Incrustation Inhibition

Anti-graying	Sokalan CP 45 Granules, Sokalan CP 9, Sokalan PA 15, Sokalan PA 25 CL Granules, Sokalan PA 30 CL, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 10
Excellent dispersion	Sokalan CP 45 Granules, Sokalan CP 9, Sokalan PA 15, Sokalan PA 25 CL Granules, Sokalan PA 30 CL, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 10
Incrustation inhibition	Sokalan CP 45 Granules, Sokalan CP 9, Sokalan PA 15, Sokalan PA 25 CL Granules, Sokalan PA 30 CL, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 10

Dye Transfer Inhibition

Color care – light and dark colors can be washed together	Sokalan HP 56 A, Sokalan HP 56 A EcoBalanced, Sokalan HP 56 Granules, Sokalan HP 66 A, Sokalan HP 165
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Excellent Dispersion

Anti-graying	Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 5 Granules, Sokalan CP 7 Granules NL, Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan PA 25 CL Granules, Sokalan PA 30 CL Granules, Sokalan PA 30 CL, Sokalan CP 45 Granules, Sokalan HP 96
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Fabric Whitening

Provide whitest white – textile look new for longer	Tinopal CBS-CL, Tinopal CBS-X, Tinopal CBS SP Slurry 33
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Plant Derived Lipid Layer Enhancer

Fiber care, wear comfort, for sensitive skin	Plantatex LLE
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Incrustation Inhibition

Anti-graying	Lavergy C Bright 100 L, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 5 Granules, Sokalan CP 7, Sokalan CP 7 Granules NL, Sokalan PA 25 CL Granules, Sokalan PA 30 CL, Sokalan PA 30 CL Granules, Trilon M Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced
Excellent dispersion	Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 7, Trilon M Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced
Incrustation inhibition	Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 7, Trilon M Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced

Rheology Modifier

Transparent rheology modifier	Rheovis AT 120, Rheovis TTA
Viscosity enhancers for fabric softeners	Rheovis CDE Pro

Soil and Stain Removal

Anti-graying	Sokalan CP 9, Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan HP 96
Renewable based ingredients	Glucopon 600 CSUP, Lavergy C Bright 100 L, Lavergy Pro 106 L, Lavergy Pro 106 LS, Lavergy Pro 114 LS
Soil and stain removal	Dehypond LLD 60, Glucopon 600 CSUP, Lutensol AO 7, Dehydol LT 7, Sokalan CP 9, Lutensol M 7, Maranil DBS/E

Soil and Stain Removal (Booster)

Effective at low temperature	Lavergy C Bright 100 L, Lavergy Pro 106 L, Lavergy Pro 106 LS, Lavergy Pro 114 LS, Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan SR 400 A
Saving resources	Lavergy C Bright 100 L, Lavergy Pro 106 L, Lavergy Pro 106 LS, Lavergy Pro 114 LS, Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan SR 400 A
Soil and stain removal	Lavergy C Bright 100 L, Lavergy Pro 106 L, Lavergy Pro 106 LS, Lavergy Pro 114 LS, Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan SR 400 A

Solubilization

Excellent dispersion	Sokalan HP 25, Pluriol P 600
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Chelating Agents

Incrustation inhibition	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced
Soil and stain removal	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced
Sustainable chelating agent	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced

Stabilizers for Perfume Oils, Colorants

Long-lasting stabilization of the formulation (color and perfume oils)	Tinogard TL, Tinogard TT, Tinogard TS, Cibafast HA Liquid, Tinogard Q, Tinogard DA
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HARD SURFACE CLEANING

Cleaning

Claim	Product
Fast cleaning action	Lutensol XL 40, Lutensol XL 50, Lutensol XL 60, Lutensol XL 70, Lutensol XL 79, Lutensol XL 80, Lutensol XL 89, Lutensol XL 90, Lutensol XL 100, Lutensol XL 140, Lutensol XP 30, Lutensol XP 40, Lutensol XP 50, Lutensol XP 60, Lutensol XP 69, Lutensol XP 70, Lutensol XP 79, Lutensol XP 80, Lutensol XP 89, Lutensol XP 90, Lutensol XP 99, Lutensol XP 100, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20
Superior wetting	Plurafac LF 303, Lutensol XP 30, Lutensol XP 40, Lutensol XP 50, Lutensol XP 60, Lutensol XP 69, Lutensol XP 70, Lutensol XP 79, Lutensol XP 80, Lutensol XP 89, Lutensol XP 90, Lutensol XP 99, Lutensol XP 100, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20, Disponil SUS IC 875
Low foaming	Plurafac LF 120, Plurafac LF 131, Plurafac LF 303, Plurafac LF 400, Plurafac LF 403, Plurafac LF 900, Dehypon LS 54, Dehypon LT 104
Strong cleaning	Lutensol XP 30, Lutensol XP 40, Lutensol XP 50, Lutensol XP 60, Lutensol XP 69, Lutensol XP 70, Lutensol XP 79, Lutensol XP 80, Lutensol XP 89, Lutensol XP 90, Lutensol XP 99, Lutensol XP 100, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20
Grease removal	Dehydol 04 Deo, Dehydol 980, Dehyton PL, Demelan AU-39/Bio, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20, Lutensol XL 40, Lutensol XL 50, Lutensol XL 60, Lutensol XL 70, Lutensol XL 79, Lutensol XL 80, Lutensol XL 89, Lutensol XL 90, Lutensol XL 100, Lutensol XL 140, Lutensol FA 12 K

100% renewable based	Glucopon 215 UP, Glucopon 425 N/HH, Glucopon 600 CSUP, Glucopon 650 EC
Gloss enhancers	Glucopon 215 UP, Glucopon 425 N/HH, Glucopon 600 CSUP, Glucopon 650 EC

Water Hardness Control

Chelating agent	Tylon M Liquid
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Disinfection (active substance)

Quick biocidal action	Protectol FM 75, Protectol FM 85, Protectol FM 99, Protectol NP S
Long-lasting antimicrobial effect	Tinosan HP 100

Inorganic Scale Inhibition

Dispersing agents	Sokalan CP 10, Sokalan CP 10 S, Sokalan PA 25 CL Granules, Sokalan PA 30 CL
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Emulsifiers and Solubilizers

Ingredients emulsification	Dehydol 04 Deo, Lutensol PO 5, Emulan AT 9, Lutensol CS 6250, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20, Monophenyglycol pure, Phenoxypropanol
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Foam Boost

High foaming surfactants	Glucopon 215 UP, Glucopon 425 N/HH, Glucopon 600 CSUP, Glucopon 650 EC, Texapon N 70, Sulfopon 101, Dehyton P CAW, Dehyton PL, Dehyton K, Dehyton PK 45 LA, Texapon 842 UP
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Acidic Scale Removal

Limescale and soap scum dissolution	Luvipur FM 75, Luvipur FM 85, Luvipur FM 99, Lutropur MSA
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Stabilizers

Light stabilizers	Tinogard HS, Cibafast HA Liquid
Antioxidants	Tinogard TS, Tinogard DA
Light stabilizers booster	Tinogard Q

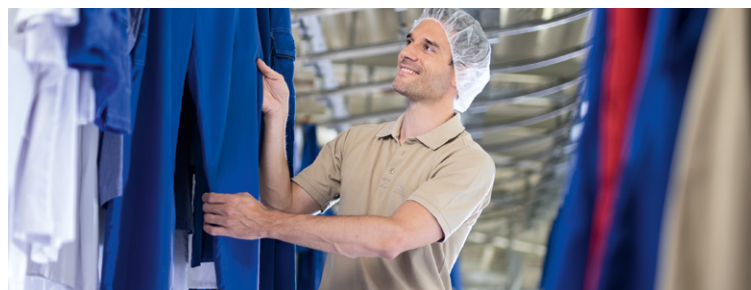
Surface Modification

Easy-to-clean again	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Perfect shine	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Quick and spotless drying	Polyquart Pro A, Polyquart 149 A
Anti-rain effect and spotless drying	Polyquart Ecoclean, Polyquart PN 60
Streak-free cleaning	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60

Rheology Modifier

Thickeners	Rheovis AT 120, Rheovis TTA, Rheovis CSP, Demelan VPC
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COMMERCIAL LAUNDRY

Cleaning

Claim	Product
Foam control	Plurafac LF 303, Plurafac LF 400, Plurafac LF 403, Dehypon LS 36, Dehypon LS 45, Dehypon LS 54

Soil and stain removal	Lutensol AO 3, Lutensol AO 5, Lutensol AO 7, Lutensol AO 8, Lutensol AO 11, Lutensol M 5, Lutensol M 7, Texapon N 70, Texapon N 701, Texapon N 703, Texapon 842 UP, Texapon NSO UP, Texapon K 30 UP, Texapon XL 30, Dehydol LT 7, Glucocon 650 EC, Glucocon 600 CSUP, Maranil DBS/E, Sulfocon 101 UP, Disponil LDBS 55, Lutensol TO 3, Lutensol TO 5, Lutensol TO 7, Lutensol TO 8, Lutensol TO 10, Lutensol XL 50, Lutensol XL 60, Lutensol XL 80, Lutensol XL 90, Lutensol XL 100, Dehydol 100, Lutensol TO 12, Lutensol XP 30, Lutensol XP 40, Lutensol XP 50, Lutensol XP 60, Lutensol XP 69, Lutensol XP 70, Lutensol XP 79, Lutensol XP 80, Lutensol XP 89, Lutensol XP 90, Lutensol XP 99, Lutensol XP 100
Improved hazardous labeling	Lutensol AO 3, Lutensol AO 7, Lutensol AO 11, Glucocon 650 EC, Lutensol TO 3, Lutensol TO 7, Lutensol TO 8, Lutensol TO 10, Lutensol XL 80, Lutensol XL 90, Lutensol XP 30, Lutensol XP 40, Lutensol XP 50, Lutensol XP 60, Lutensol XP 69, Lutensol XP 70, Lutensol XP 79, Lutensol XP 80, Lutensol XP 89, Lutensol XP 90, Lutensol XP 99, Lutensol XP 100
Soil and stain removal at low temperature	Lavergy Pro 106 L, Lavergy Pro 106 LS, Lavergy Pro 114 LS, Lavergy C Bright 100 L, Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan HP 96, Sokalan SR 400 A

pH Control

pH control	Luvipur FM 85, Luvipur FM 99, Luvipur FM 75, Lutropur MSA
Odorless	Lutropur MSA

Rheology Modifier

Aesthetic appearance	Rheovis CDE Pro, Rheovis AT 120, Rheovis TTA
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Complexing of Metal Ions

Incrustation inhibition	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Sokalan PA 15, Sokalan PA 25 CL Granules, Sokalan PA 25 CL PN, Sokalan PA 25 CL PN EcoBalanced, Sokalan PA 30 CL, Sokalan PA 30 CL Granules, Sokalan PA 30 CL PN Granules, Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 5 Granules, Sokalan CP 45 Granules, Sokalan CP 7, Sokalan CP 7 Granules NL, Sokalan CP 10, Sokalan CP 10 S, Sokalan CP 12 S, Sokalan CP 13 S, Sokalan CP 50, Sokalan CP 50 Granules
Water hardness control	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran
Improved hazardous labeling	Trilon M Max EcoBalanced Gran

Whitening

Whiteness	Tinopal CBS-X, Tinopal CBS-CL, Tinopal CBS SP Slurry 33
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Dispersion

Incrustation inhibition	Sokalan CP 5, Sokalan CP 5 EcoBalanced, Sokalan CP 7, Sokalan CP 9, Sokalan CP 10, Sokalan CP 12 S, Sokalan CP 13 S, Sokalan CP 50, Sokalan PA 15, Sokalan PA 25 CL PN, Sokalan PA 25 CL PN EcoBalanced, Sokalan PA 30 CL
Anti-graying	Sokalan HP 20, Sokalan HP 20 EcoBalanced, Sokalan HP 96, Lavergy C Bright 100 L

Dye Transfer Inhibition

Color care	Sokalan HP 56 A, Sokalan HP 56 A EcoBalanced, Sokalan HP 56 Granules, Sokalan HP 53, Sokalan HP 165
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Disinfection and Hygiene

Long lasting hygiene	Tinosan HP 100
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Skin Care

Sensitive skin	Plantatex LLE, Glucocon 215 UP, Glucocon 225 DK, Glucocon 425 N/HH, Glucocon 50 G, Glucocon 600 CSUP, Glucocon 650 EC
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Hydrotrope

Solubilisation	Lutensol CS 6250, Texapon EHS, Texapon 842 UP
Improved hazardous labeling	Lutensol CS 6250

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FOOD AND BEVERAGE PROCESSING

Cleaning

Claim	Product
Acidic cleaning	Luvipur FM 85, Luvipur FM 99, Luvipur FM 75, Lutropur MSA
Odorless acidic cleaning	Lutropur MSA
Safer on metals (less corrosion)	Lutropur MSA
Excellent wetting	Lutensol XP 30, Lutensol XP 50, Lutensol XP 70, Lutensol XP 90, Lutensol XP 100, Lutensol XP 40, Lutensol XP 60, Lutensol XL 80, Lutensol XL 90, Lutensol XL 100, Lutensol XL 70, Lutensol XL 40, Lutensol XL 50, Lutensol XL 60, Lutensol PO 5, Lutensol TO 8, Lutensol TO 3, Lutensol TO 5
Biofilm removal	Lavery Pro 106 L, Lavery Pro 106 LS, Lavery Pro 114 LS
Low foaming	Plurafac LF 400, Plurafac LF 403, Plurafac LF 303, Plurafac LF 305, Plurafac LF 900, Plurafac LF 221, Plurafac LF 120, Plurafac LF 901, Plurafac LF 223, Plurafac LF 224, Plurafac LF 500, Dehypon LS 45, Dehypon LS 54, Plurafac SLF 180
High foam	Glucocon 225 DK, Glucocon 650 EC, Glucocon 425 N/HH, Glucocon 215 UP, Glucocon 600 CSUP, Sulfocon 101 UP, Texapon N 70, Texapon EHS, Texapon NSO UP, Demelan AU-39/BIO, Texapon 842 UP, Texapon K 30 UP, Texapon LS 30, Dehyton PK 45, Disponil LDBS 55, Dehyton PL, Dehyton P CAW
Improved hazardous labeling	Glucocon 215 UP, Glucocon 650 EC, Lutensol TO 8, Lutensol XL 70, Lutensol XL 80, Lutensol XL 90, Lutensol XP 30, Lutensol XP 70, Lutensol XP 80, Lutensol XP 100, Lutensol CS 6250, Dehyton PL

Hydrotrope

Solubilisation	Glucocon 225 DK
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Disinfection and Hygiene (active substance)

Effective disinfection	Protectol GL, Protectol FM 99, Protectol FM 85, Protectol FM 75, Protectol GA 24 AS, Protectol GA 50 AS
Hands hygiene	Protectol NP S

Foam Management

Foam control	Dehypon LS 24, Dehypon LS 36, Dehypon LT 104, Dehypon LT 104 L, Plurafac LF 131, Plurafac LF 231, Plurafac LF 431
Defoaming	Pluronic PE 6200, Pluronic PE 6100, Pluronic PE 8100, Pluronic RPE 2520, Pluronic RPE 3110, Degressal SD 20, Degressal SD 40, Dehypon OCP 502, Pluriol P 600, Plurafac SLF 180, Plurafac LF 303, Plurafac LF 1430

Complexing of Metal Ions

Incrustation inhibition	Trilon M Liquid, Trilon B Liquid, Trilon BX Liquid
Water hardness control	Trilon M Liquid, Trilon B Liquid, Trilon BX Liquid

Dispersion

Incrustation inhibition	Sokalan PA 25 CL PN, Sokalan PA 25 CL PN EcoBalanced, Sokalan PA 25 CL Granules, Sokalan PA 30 CL, Sokalan CP 10, Sokalan CP 10 S
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Corrosion Inhibition

Metal protection	Korantin MAT
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INSTITUTIONAL CLEANING AND SANITATION

Cleaning

Claim	Product
100% renewable based	Glucocon 650 EC, Glucocon 425 N/HH, Glucocon 215 UP, Glucocon 600 CSUP
Plastic compatibility	Glucocon 650 EC, Glucocon 425 N/HH, Glucocon 215 UP, Glucocon 225 DK

Excellent emulsification	Lutensol AO 7, Lutensol TO 8, Dehydol 100, Dehydol LT 7, Glucocon 650 EC, Glucocon 600 CSUP, Demelan AU-39/BIO, Disponil LDBS 55, Demelan VPC, Maranil DBS/E
Excellent wetting	Lutensol XP 30, Lutensol XP 40, Lutensol XP 50, Lutensol XP 60, Lutensol XP 70, Lutensol XP 100, Lutensol XL 40, Lutensol XL 50, Lutensol XL 60, Lutensol XL 70, Lutensol XL 80, Lutensol XL 100, Lutensol PO 5, Lutensol CS 6250, Dehydol 980, Texapon EHS, Glucocon 425 N/HH, Glucocon 215 UP, Texapon 842 UP, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20
High foam	Texapon EHS, Texapon NSO UP, Texapon N 70, Glucocon 650 EC, Glucocon 425 N/HH, Glucocon 215 UP, Glucocon 600 CSUP, Sulfocon 101 UP, Texapon 842 UP, Texapon LS 30, Dehyton PL, Dehypon GL, Dehyton K, Dehyton PK 45, Dehyton PL, Dehyton P CAW
Streak-free cleaning	Glucocon 650 EC, Glucocon 425 N/HH, Glucocon 215 UP, Glucocon 600 CSUP
Specific soil removal (health care)	Lavery Pro 106 L, Lavery Pro 106 LS, Lavery Pro 114 LS
Low foam	Plurafac LF 221, Plurafac LF 400, Plurafac LF 901, Dehypon LS 54, Dehypon LS 45, Dehypon 2574
Foam control	Dehypon LS 36, Dehypon LT 104, Dehypon LT 104 L, Plurafac LF 403, Plurafac LF 431, Degressal SD 20, Degressal SD 40, Dehypon OCP 502
Improved hazardous labeling	Glucocon 215 UP, Glucocon 650 EC, Lutensol TO 8, Dehydol 980, Lutensol XL 70, Lutensol XL 80, Lutensol XL 90, Lutensol XP 30, Lutensol XP 70, Lutensol XP 80, Lutensol XP 100, Lutensol CS 6250, Dehyton PL

Disinfection and Hygiene (active substance)

Effective disinfection	Protectol GL, Protectol GA 24 AS, Protectol GA 50 AS, Protectol FM 75, Protectol FM 85, Protectol FM 99, Protectol NP S, Protectol PE, Protectol BN
Long lasting effects	Tinosan HP 100
Hands hygiene	Protectol NP S

Dissolving of Inorganic Scale

Scale dissolution	Luvipur FM 85, Luvipur FM 99, Luvipur FM 75, Lutropur MSA
Odorless	Lutropur MSA
Safer on metals (less corrosion)	Lutropur MSA

Floor Maintenance

Material care	Poligen WE 1, Poligen WE 6, Poligen WE 3
Gloss	Poligen WE 1, Poligen WE 6, Poligen WE 3

Surface Modification

water hardness control	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Gloss enhancer	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Quick and spotless drying	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Streak-free cleaning	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Cleaning performance booster	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60

Rheology Modifier

Thickeners	Rheovis AT 120, Rheovis TTA, Demelan VPC, Dehyton PL, Dehypon GL
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Dispersion

Incrustation inhibition	Sokalan PA 25 CL PN, Sokalan PA 25 CL PN EcoBalanced, Sokalan PA 30 CL, Sokalan CP 10, Sokalan CP 9, Sokalan CP 10 S
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Complexing of Metal Ions

Incrustation inhibition	Trilon M Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran
Water hardness control	Trilon M Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran

Corrosion Inhibition

Metal protection	Korantin MAT
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Hydrotrope

Solubilisation	Glucocon 225 DK, Lutensol CS 6250, Texapon EHS, Texapon 842 UP
Improved hazardous labeling	Lutensol CS 6250

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VEHICLE AND TRANSPORTATION CARE

Cleaning

Claim	Product
100% renewable based	Glucopon 650 EC, Glucopon 425 N/HH, Glucopon 215 UP, Glucopon 225 DK, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Polyquart Ecoclean
Plastic compatibility	Glucopon 650 EC, Glucopon 425 N/HH, Glucopon 215 UP, Glucopon 225 DK
Excellent emulsification	Dehydol 04 Deo, Dehydol 100, Dehydol LT 7, Glucopon 650 EC, Glucopon 425 N/HH, Sulfofon 101 UP, Demelan AU-39/BIO, Disponil LDBS 55, Demelan VPC, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20, Lutensol FA 12 K
Excellent wetting	Lutensol PO 5, Lutensol XP 30, Lutensol XP 60, Lutensol XP 70, Lutensol XP 40, Lutensol XP 80, Lutensol XL 80, Lutensol XL 70, Lutensol XL 50, Lutensol CS 6250, Dehydol 980, Glucopon 215 UP, Texapon 842 UP, Texapon EHS, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20
High foam	Glucopon 650 EC, Glucopon 425 N/HH, Glucopon 215 UP, Glucopon 225 DK, Texapon EHS, Texapon NSO UP, Texapon N 70, Sulfofon 101 UP, Texapon 842 UP, Dehyton PL, Dehyton PK 45 LA, Dehyton P CAW
Low foaming	Plurafac LF 120, Plurafac LF 220, Plurafac LF 221, Plurafac LF 223, Plurafac LF 224, Plurafac LF 300, Plurafac LF 303, Plurafac LF 305, Plurafac LF 400, Plurafac LF 401, Plurafac LF 403, Plurafac LF 404, Plurafac LF 500, Plurafac LF 711, Plurafac LF 801, Plurafac LF 802, Plurafac LF 900, Plurafac LF 901, Plurafac LF 1300, Plurafac SLF 180, Plurafac LF 1430, Plurafac LF 131, Plurafac LF 231, Plurafac LF 431, Pluronic PE 6100, Pluronic PE 6200, Pluronic PE 6400, Pluronic PE 8100
Streak-free cleaning	Glucopon 650 EC, Glucopon 425 N/HH, Glucopon 215 UP, Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Traffic film removal	Demelan AU-39/BIO, Lutensol FA 12 K

Improved hazardous labeling

Glucopon 215 UP, Glucopon 650 EC, Lutensol TO 8, Dehydol 980, Lutensol XL 70, Lutensol XL 80, Lutensol XL 90, Lutensol XP 30, Lutensol XP 70, Lutensol XP 80, Lutensol XP 100, Lutensol CS 6250, Dehyton PL, Lutensol AO 7

Disinfection and Hygiene (active substance)

Long lasting effects	Tinosan HP 100
Effective disinfection	Protectol NP S

Dissolving of Inorganic Scale

Scale dissolution	Luvipur FM 85, Luvipur FM 99, Luvipur FM 75, Lutropur MSA
Odorless	Lutropur MSA
Safer on metals (less corrosion)	Lutropur MSA

Hydrophobizing

Quick and spotless drying	Dehyquart CSP, Polyquart Pro A, Polyquart 149 A
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Surface Modification

Easy-to-clean again	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Gloss enhancer	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60, Dehyquart CSP
Quick and spotless drying	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60, Dehyquart CSP
Streak-free cleaning	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Booster of cleaning performance	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60

Dispersion

Dispersing of soils	Sokalan PA 25 CL, Sokalan PA 25 CL PN, Sokalan PA 25 CL PN EcoBalanced, Sokalan PA 30 CL, Sokalan CP 10, Sokalan CP 9, Sokalan CP 10 S
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Complexing of Metal Ions

Water hardness control	Trilon B Powder, Trilon M Liquid, Trilon B Liquid, Trilon M Max BioBased L, Trilon M Max EcoBalanced
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Corrosion Inhibition

Metal protection	Korantin MAT
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Hydrotrope

Solubilisation	Glucopon 225 DK, Lutensol CS 6250, Texapon EHS, Texapon 842 UP
Improved hazardous labeling	Lutensol CS 6250

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FOOD SERVICE AND KITCHEN HYGIENE

Chelation of Metal Ions

Claim	Product
Scale Inhibition	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran
Reduction of glass corrosion	Trilon Ultimate 2 G
Improved hazardous labeling	Trilon M Max EcoBalanced Gran

Cleaning

Excellent emulsification	Glucopon 650 EC, Glucopon 600 CS UP, Dehydol 100, Disponil LDBS 55, Demelan AU-39/Bio, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20
Excellent wetting	Glucopon 215 UP, Glucopon 225 DK, Glucopon 425N/HH, Lutensol XP 60, Lutensol XP 80, Lutensol PO 5, Lutensol XL 60, Lutensol XL 80, Lutensol TO 2, Lutensol TO 3, Lutensol TO 5, Lutensol TO 6, Lutensol TO 7, Lutensol TO 8, Lutensol TO 89, Lutensol TO 10, Lutensol TO 109, Lutensol TO 12, Lutensol TO 129, Lutensol TO 20
High foam	Glucopon 600 CSUP, Glucopon 650 EC, Glucopon 215 UP, Glucopon 425 N/HH, Glucopon 225 DK, Dehyton PK 45 LA, Dehyton PL, Dehyton P CAW, Texapon NSO UP, Texapon N 70, Texapon LS 30, Texapon K 30 UP, Texapon 842 UP, Texapon EHS

Non-oxidative soil and stain removal (e.g. tea, coffee, etc.)	Trilon M Liquid, Trilon M Powder, Trilon M Max BioBased L, Trilon M Max EcoBalanced, Trilon M Max EcoBalanced Gran
Low foaming	Dehypon LS 54, Dehypon 2574, Plurafac SLF 180, Plurafac LF 400, Plurafac LF 901, Plurafac LF 220, Plurafac LF 221, Plurafac LF 223, Plurafac LF 300, Plurafac LF 403, Plurafac LF 500, Plurafac LF 802
Foam control	Dehypon LS 36, Dehypon LS 45, Dehypon LT 104, Dehypon LT 104 L, Plurafac LF 131, Plurafac LF 303, Plurafac LF 403, Plurafac LF 431, LF 1430, Plurafac SLF 180, Pluronic RPE 2520, Pluronic RPE 3110
Improved hazardous labeling	Glucopon 215 UP, Glucopon 650 EC, Lutensol TO 8, Dehydol 980, Lutensol XL 70, Lutensol XL 80, Lutensol XL 90, Lutensol XP 30, Lutensol XP 70, Lutensol XP 80, Lutensol XP 100, Lutensol CS 6250, Dehyton PL, Lutensol TO 8, Lutensol TO 89

Disinfection and Hygiene (active substance)

Effective disinfection	Protectol FM 75, Protectol FM 85, Protectol FM 99, Protectol NP S
Long lasting hygiene	Tinosan HP 100
Hands hygiene	Protectol NP S, Protectol PE

Rinsing

Foam control	Dehypon LS 54, Dehypon 2574, Plurafac SLF 180, Plurafac LF 220, Plurafac LF 221, Plurafac LF 223, Plurafac LF 300, Plurafac LF 400, Plurafac LF 403, Plurafac LF 500, Plurafac LF 802, Plurafac LF 901
Low foaming	Dehypon LS 54, Dehypon 2574, Plurafac SLF 180, Plurafac LF 220, Plurafac LF 221, Plurafac LF 223, Plurafac LF 300, Plurafac LF 400, Plurafac LF 403, Plurafac LF 500, Plurafac LF 802, Plurafac LF 901
Defoaming	Degressal SD 20, Degressal SD 40, Pluronic RPE 3110, Dehypon OCP 502
Excellent plastic drying	Plurafac SLF 180, Plurafac LF 802

Hydrotrope

Solubilisation	Texapon EHS, Texapon 842 UP, Glucopon 225 DK
Improved hazardous labeling	Glucopon 225 DK

Dissolving of Inorganic Scale

Scale dissolution	Lutropur MSA, Luvipur FM 85, Sokalan DCS
Odorless	Lutropur MSA, Sokalan DCS
Safer on metals (less corrosion)	Lutropur MSA

Scale Inhibition

Excellent dispersion	Sokalan CP 10, Sokalan CP 10 S, Sokalan CP 13 S, Sokalan PA 25 CL, Sokalan PA 25 CL PN EcoBalanced, Sokalan PA 25 CL PN, Sokalan PA 30 CL
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Skin Care

Sensitive skin	Plantatex LLE
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Surface Modification

Easy-to-clean again	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Gloss enhancer	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Quick and spotless drying	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Streak-free cleaning	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Cleaning performance booster	Polyquart Ecoclean, Polyquart Pro A, Polyquart 149 A, Polyquart PN 60
Perfect shine	Polyquart S Granules

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