



We create chemistry

Core Range

Industrial Formulators

- Agnique®
- Cycloquart®
- Degressal®
Disponil®
- Emulan®
- Golpanol®
Grossil®
- Hyporan®
- Korantin®
- Lugalvan®
Lupasol®
Lutensit®
Lutensol®
Lutron®
Lutropur®
- Nuclezil®
- Perpura®
Plurafac®
Pluriol®
Pluronic®
Poligen®
Portil®
- Quadrol®
- Sokalan®
- Tamol®
Texapon®
Trasol®
Trilon®

Nonionic Surfactants

Alcohol Alkoxylates

Product	Chemical nature	Active content [%]	Cloudpoint [°C]	
Lutensol FT LT 7	C ₁₂ C ₁₈ -Fatty alcohol	+ 7 EO	53/A	
Lutensol AT 18 20%	C ₁₆ C ₁₈ -Fatty alcohol	+ 18 EO	20	
Lutensol AT 25 E		+ 25 EO	92/B	
Lutensol AT 25 Flakes		+ 25 EO	95/B	
Lutensol AT 50 Powder		+ 50 EO	92/B	
Lutensol AT 50 Flakes		+ 50 EO	92/B	
Lutensol AT 80 Powder		+ 80 EO	87/B	
Lutensol FT AO 3		C ₁₃ C ₁₅ -Oxo alcohol	+ 3 EO	45/E
Lutensol FT AO 5	+ 5 EO		62/E	
Lutensol FT AO 7	+ 7 EO		43/A	
Lutensol FT AO 11	+ 11 EO		86/A	
Lutensol TO 2	C ₁₃ -Oxo alcohol	+ 2 EO	37/D	
Lutensol FT TO 3		+ 3 EO	40/E	
Lutensol FT TO 5		+ 5 EO	62/E	
Lutensol TO 6		+ 6 EO	67/E	
Lutensol FT TO 7		+ 7 EO	70/E	
Lutensol FT TO 8		+ 8 EO	60/A	
Lutensol FT TO 89		+ 8 EO	90	60/A
Lutensol TO 10		+ 10 EO	70/A	
Lutensol TO 108		+ 10 EO	80	70/A
Lutensol TO 109		+ 10 EO	85	70/A
Lutensol TO 12		+ 12 EO	75/B	
Lutensol TO 129		+ 12 EO	85	75/B
Lutensol TO 20		+ 20 EO	86/B	
Lutensol FT XP 30		C ₁₀ -Guerbet alcohol	+ 3 EO	31/E
Lutensol XP 40			+ 4 EO	44/E
Lutensol FT XP 50			+ 5 EO	56/E
Lutensol XP 60	+ 6 EO		62/E	
Lutensol XP 69	+ 6 EO		85	62/E
Lutensol XP 70	+ 7 EO		68/E	
Lutensol XP 79	+ 7 EO		85	68/E
Lutensol FT XP 80	+ 8 EO		56/A	
Lutensol FT XP 89	+ 8 EO		85	56/A
Lutensol FT XP 90	+ 9 EO		69/A	
Lutensol FT XP 99	+ 9 EO		85	69/A
Lutensol XL 40	C ₁₀ -Guerbet alcohol		+ 4 EO	46/E
Lutensol XL 50			+ 5 EO	60/E
Lutensol FT XL 70		alkoxylate	+ 7 EO	68/E
Lutensol FT XL 80		+ 8 EO	56/A	
Lutensol XL 140		+ 14 EO	78/B	
Lutensol ON 30	C ₁₀ -Oxo alcohol	+ 3 EO	53/E	
Lutensol ON 50		+ 5 EO	67/E	
Lutensol ON 60		+ 6 EO	36/A	
Lutensol ON 70		+ 7 EO	60/A	
Lutensol ON 80		+ 8 EO	80/A	
Lutensol ON 110		+ 11 EO	78/B	

Alkyl Polyglucosides

Product	Chemical nature	Active content [%]
Agnique PG 8105-G	C ₈ C ₁₀ -Alkyl polyglucoside	63
Agnique PG 8107-G		70
Disponil APG 215		63
Disponil APG 425	C ₈ C ₁₆ -Alkyl polyglucoside	50

Aminopolyols

Product	Chemical nature	Active content [%]	Cloudpoint [°C]
Lutensol FA 12	Oleyl amine + 12 EO	96	86/B
Pluriol A 18 NP	Propoxylated Triethanolamine		55/A
Pluriol A 21 N	Triethanolamine + 18 EO		
Quadrol L	Ethylene diamine + 4 PO		
Cycloquart	Quaternary ammonium base	20	

Unless otherwise indicated, the product concentration is 100%.

The values in this publication are approximate values.

Cloudpoint in °C according to EN 1890:

Method A: 1 g of surfactant + 100 g of dist. water

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

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

Method D: 5 g of surfactant + 45 g of butyldiglycol solution (c = 250 g/L)

Method E: 5 g of surfactant + 25 g of butyldiglycol solution (c = 250 g/L)

Emulsifiers and Solubilizers

Product	Chemical nature	Active content [%]	Cloudpoint [°C]
Agnique CSO-20	Castor oil + 20 EO	100	66/D
Agnique CSO-40	Castor oil + 40 EO	100	74/E
Agnique SBO 10	Modified vegetable oil	100	–
Agnique SPO 40	Sorbitanester ethoxylated	100	–
Disponil LS 500	C ₁₂ , C ₁₄ -Fatty alcohol + 50 EO	100	76/C
Emulan A	Oleic acid ethoxylate	100	52/E
Disponil A 9	Oleic acid + 9 EO	100	67/E
Emulan AF	Fatty alcohol ethoxylate	100	65/E
Emulan AT 9		100	68/A
Emulan EL	Castor oil ethoxylate	97	71/B
Emulan OC	Fatty alcohol ethoxylate	100	90/B
Emulan OG		100	92/B
Disponil NRG 301	Aqueous solution based on fatty alcohol + 30 EO	60	78/C
Disponil NRG 401	Aqueous solution based on fatty alcohol + 40 EO	60	77/C
Emulan TO 2080	C ₁₃ -Oxo alcohol + 20 EO	80	93/B
Emulan TO 3070	C ₁₃ -Oxo alcohol + 30 EO	70	92/B
Emulan TO 4070	C ₁₃ -Oxo alcohol + 40 EO	70	92/B

Foam Suppressors

Product	Chemical nature	Active content [%]
Degressal FBA 516	Polyalkoxyether and ester, modified	100
Degressal SD 20	Fatty alcohol alkoxyolate	100
Degressal SD 21		100

Low-foaming Nonionic Surfactants

Product	Chemical nature	Cloudpoint [°C]
Plurafac FT LF 221	Fatty alcohol alkoxyolate	95%; 33/A
Plurafac FT LF 400		33/A
Plurafac FT LF 403		41/E
Plurafac LF 711		45/E
Plurafac LF 801		43/E
Plurafac LF 900		39/E
Plurafac LF 1300		21/E
Pluronic PE 3100	EO-PO-EO block polymer	10% EO 41/E
Pluronic PE 4300		30% EO 42/A
Pluronic FT PE 6100		10% EO 23/A
Pluronic FT PE 6200		20% EO 33/A
Pluronic PE 6400		40% EO 60/A
Pluronic PE 6800		80% EO 88/B
Pluronic PE 8100		10% EO 36/E
Pluronic PE 9400		40% EO 80/E
Pluronic PE 10100		10% EO 35/E
Pluronic PE 10400		40% EO 81/A
Pluronic PE 10500		50% EO 75/B
Pluronic PE 10500 Solution		50% EO 18%; 75/B
Pluronic RPE 1720	PO-EO-PO block polymer	20% EO 37/E
Pluronic RPE 1740		40% EO 51/E
Pluronic RPE 2520		20% EO 31/E
Pluronic RPE 3110		10% EO 25/E

Special Surfactants

Product	Chemical nature	E0	Concentration [%]
Disponil A 1080	Fatty alcohol ethoxylate, modified	10	80
Disponil A 1580		15	80
Disponil A 3065		30	65
Disponil A 4065		40	65
Disponil AFX 3070		30	70
Disponil AFX 4030		40	30
Disponil PGE 110	Polyglycol ether of an aliphatic diol		100

Unsaturated Alcohol Ethoxylates

Product	Chemical nature	E0	Concentration [%]
Agnique FOH 90C-3	Unsaturated fatty alcohol ethoxylates	3	100
Agnique FOH 90C-5		5	100
Disponil OC 5		5	100
Disponil OC 25		25	100

Polyalkylene Glycols

Product	Chemical nature	Molar mass
Pluriol A 10 R	Allyl alcohol ethoxylate	450
Pluriol A 46 R	Allyl alcohol alkoxyate	1000
Pluriol A 111 R	Allyl alcohol alkoxyate endcapped	2000
Pluriol A 750 R	Allyl alcohol alkoxyate	750
Pluriol A 350 E	Methyl polyethylene glycol, desalted	350
Pluriol A 520 E	Methyl polyethylene glycol	500
Pluriol A 750 E		750
Pluriol A 1020 E		1000
Pluriol A 2010 E		2000
Pluriol A 3010 E		3000
Pluriol A 5010 E		5000
Pluriol A 6000 PE	Alkyl polyalkylene glycol	6000
Pluriol A 4 TE	Modified polyglycol ether	225
Pluriol A 16 TE		750
Pluriol A 700 VP	Hydroxybutylvinyl ether propoxylate	700
Pluriol A 1190 I	Isoprenol ethoxylate	1100
Pluriol A 7509 PH	Phenol ethoxylate	90%; 750
Pluriol FT E 200	Polyethylene glycol	200
Pluriol E 300		300
Pluriol FT E 400		400
Pluriol E 600		600
Pluriol E 1000 LS		1000
Pluriol E 1500 E		1500
Pluriol E 1500 Flakes		1500
Pluriol E 3400 Flakes		3400
Pluriol FT E 4000 Flakes		4000
Pluriol E 6000 Flakes		6000
Pluriol E 8000 Flakes		8000
Pluriol E 9000 Powder		9000
Pluriol E 600 S	Polyalkylene glycol	600
Pluriol P 600	Polypropylene glycol	600
Pluriol P 900		900
Pluriol P 2000		2000
Pluriol P 4000		4000

Anionic Surfactants

Fatty Alcohol Ethersulfates

Product	Chemical nature	Active content [%]
Disponil BES 20	Isotridecyl ethersulfate + 20 EO, sodium salt	29
Agnique SLES-370	Fatty alcohol ethersulfate + 2 EO, sodium salt	70
Disponil FES 27	+ 2 EO, sodium salt	27
Disponil FES 27 IS	+ 2 EO, sodium salt	27
Disponil FES 32	+ 4 EO, sodium salt	31
Disponil FES 147	+ 7 EO, sodium salt	27
Disponil FES 993	+ 12 EO, sodium salt	30
Disponil FES 77	+ 30 EO, sodium salt	33
Disponil FES 61	+ 50 EO, sodium salt	32

Fatty Alcohol Sulfates

Product	Chemical nature	Active content [%]
Disponil SOS 842	C ₈ -Fatty alcohol sulfate, sodium salt	40
Disponil EHS 47	2-Ethylhexyl sulfate, sodium salt	45
Texapon 1030	C ₁₀ -Fatty alcohol sulfate, sodium salt	29
Disponil SDS 15	C ₁₂ -Fatty alcohol sulfate,	15
Disponil SDS G	sodium salt	97
Disponil ALS-IS	C ₁₂ C ₁₄ -Fatty alcohol sulfate, ammonium salt	28
Disponil ALS 33	C ₈ C ₁₄ -Fatty alcohol sulfate, ammonium salt	35
Texapon TH	C ₈ C ₁₄ -Fatty alcohol sulfate, triethanolamine salt	58
Disponil SLS 101 Special	C ₁₂ C ₁₆ -Fatty alcohol sulfate, sodium salt	30
Disponil SLS 101 IS		30
Disponil SLS 124 G		97
Disponil OCS 27	C ₁₆ C ₁₈ /C _{18:1} -Fatty alcohol sulfate, sodium salt	27

Linear Alkylbenzene Sulfonates

Product	Chemical nature	Active content [%]
Agnique ABS 70 C	Alkyl benzene sulfonate in organic solvent	70
Disponil LDBS 25	Linear C ₁₀ C ₁₃ -alkylbenzene sulfonates,	25
Disponil LDBS 55	sodium salt	55

Other Surfactants

Product	Chemical nature	Concentration [%]
Disponil ODSLS	Mono-alkenyl sulfosuccinamate, sodium salt	35
Disponil OXS 970	Ammonium 9,10-dihydroxystearate	50
Disponil SUS 87 Spez.	Mono-alkyl sulfosuccinate, sodium salt (5 EO)	30
Disponil SUS IC 10	Di-isodecyl sulfosuccinate, sodium salt	65
Disponil SUS IC 875 Lutensit A-BO	Di-isooctylsulfosuccinate, sodium salt	75 60

Fatty Alcohols

Product	Chemical nature	Purity [%]
Agnique FOH 9 OC	Unsaturated fatty alcohol	100
Emulan G 20	C ₂₀ -Guerbet alcohol	100

Water Soluble Polymers

Dispersing Agents

Product	Chemical nature	Molar mass	Concentration [%]
Sokalan FT CP 5	Maleic acid/acrylic acid copolymer, sodium salt	70 000	40
Sokalan CP 7		50 000	40
Sokalan CP 9	Maleic acid/olefin copolymer, sodium salt	12 000	25
Sokalan CP 9 Powder		12 000	>89
Sokalan FT CP 10	Polyacrylic acid modified, sodium salt	4 000	45
Sokalan CP 10 S		4 000	50
Sokalan CP 12 S	Maleic acid/acrylic acid copolymer	3 000	50
Sokalan CP 13 S	Polyacrylic acid, modified	20 000	25
Sokalan PA 15	Polyacrylic acid, sodium salt	1 200	45
Sokalan PA 25 CL PN ¹⁾		4 000	49
Sokalan FT PA 30 CL		8 000	45
Sokalan NR 2500	Polyacrylic acid	5 000	49
Sokalan NR 2530	Polyacrylic acid, modified, sodium salt, partially neutralized	4 500	45
Sokalan NR 2555		4 500	45
Sokalan NR 2595		4 500	45
Sokalan PA 80 S	Polyacrylic acid	100 000	35
Sokalan PA 110 S		250 000	35

¹⁾ = partially neutralized

Water Soluble Polymers

Polyethylene Imines

Product	Chemical nature	Molar mass	Concentration [%]
Lupasol FG	Polyethylene imine	800	99
Lupasol G 20 Waterfree		1 300	99
Lupasol G 20		1 300	50
Lupasol PR 8515		2 000	99
Lupasol FT WF		25 000	99
Lupasol FT P		750 000	50
Lupasol PN 40	Polyethylene imine, ethoxylated	–	80

Polyvinylpyrrolidones & Copolymers

Product	Chemical nature	Molar mass	Concentration [%]
Sokalan K 17 P	Polyvinylpyrrolidone	9 000	98
Sokalan K 30 P		50 000	98
Sokalan K 30 sol. 30%		50 000	30
Sokalan K 85 AT 1		1 100 000	20
Sokalan K 90 P		1 400 000	98
Sokalan K 90 sol. 20%		1 600 000	20
Sokalan K 115 AT 1		2 200 000	11
Sokalan HP 165		9 000	30
Sokalan VA 64 P	Vinylpyrrolidone/ Vinylacetate copolymer	65 000	95
Sokalan HP 56 Granules	Vinylpyrrolidone/ Vinylimidazole copolymer	70 000	95

Sulfonic Acid Condensation Products/Sulfonates

Product	Chemical nature	Dry content [%]
Tamol NH 7519	Naphthaline sulfonic acid	95
Tamol NN 8906	condensation product, sodium salt	95
Tamol NN 9104		95
Tamol NN 9401		95

Chelating Agents

Product	Chemical nature	Concentration [%]
Trilon BS	Ethylenediaminetetraacetic acid (EDTA)	99
Trilon BD	Disodium salt of EDTA, dihydrate	99
Trilon B Liquid	Tetrasodium salt of EDTA	40
Trilon BX Liquid		40
Trilon B Powder	Tetrasodium salt of EDTA, dihydrate	93
Trilon BX Powder	Tetrasodium salt of EDTA, tetrahydrate	99
Trilon D Liquid	Trisodium salt of Hydroxyethyl-ethylenediaminetriacetic acid (HEDTA)	40
Trilon M Liquid	Trisodium salt of Methylglycine diacetic acid (MGDA)	40
Trilon M Granules SG		76
Trilon P Liquid	Modified anionic Polyamine	40

Metal Surface Treatment

Chemicals for Electroplating

Product	Chemical nature	Concentration [%]
Golpanol ALS	Sodium allylsulphonate	25
Golpanol ALS 35		35
Golpanol ATPN	Carboxyethylisothiuronium betaine	>98
Golpanol BEO	2-Butyne-1,4-diol ethoxylate	100
Golpanol BMP	2-Butyne-1,4-diol propoxylate	100
Golpanol BOZ Cryst.	2-Butyne-1,4-diol	>98
Golpanol DEP	N,N-Diethylpropargylamine	>97.5
Golpanol HD	3-Hexyne-2,5-diol	80
Golpanol MBS Granules N*	Sodium nitrobenzene sulfonate	>92
Golpanol MPA	1,1-Dimethylpropargylamine	>89
Golpanol PA	Propargyl alcohol	>99.3
Golpanol PAP	Propargyl alcohol propoxylate	67

* distributed by BTC Europe GmbH

Metal Surface Treatment

Chemicals for Electroplating

Product	Chemical nature	Concentration [%]
Golpanol PME	Propargyl alcohol ethoxylate	100
Golpanol PS	Sodium propargyl sulphonate	20
Golpanol VS	Sodium vinyl sulphonate	25.5
Lugalvan ANA	4-Methoxybenzaldehyde (p-anisaldehyde)	>98.5
Lugalvan BNO 12	beta-Naphthoethoxylate	99
Lugalvan BNS	Aqueous solution based on beta-Naphthoethoxylate, sulfonated, sodium salt	50
Lugalvan BPC 48	Benzylpyridinium-3-carboxylate	48
Lugalvan G 35	Low-molecular polyethylene imine	50
Lugalvan G 15000	High-molecular polyethylene imine	50
Lugalvan HS 1000	Thiodiglycol ethoxylate	>98
Lugalvan IMZ	Imidazole	>99.5
Lugalvan IZE	Addition product of imidazole and epichlorohydrin	45
Lugalvan NES	Sodium salt of sulfonated and sulfated alkylphenol ethoxylates	40
Lugalvan P	Polymer of a quaternary ammonium salt in water	≥ 62
Lutron PVI	Quaternary polyvinylimidazolium salt in water	44
Lugalvan SOR	Aqueous alkylpolyglucoside	65
Lutron HF 1	Modified polyglycol ether	100
Lutron KS 1		100
Lutron Q 75	N,N,N',N'-tetrakis-(2-hydroxypropyl)-ethylenediamine	75

Corrosion Inhibitors

Product	Chemical nature	Concentration [%]
Korantin BH Solid	2-Butyne-1,4-diol	>98
Korantin BH 50	2-Butyne-1,4-diol, contains hexamethylenetetramine	50
Korantin MAT	Aliphatic dicarboxylic acid mono-alkylamide in triethanolamine	100
Korantin PM	Ethynylcarbinol alkoxyate	100
Korantin PP		67

Organic Sealers

Product	Chemical nature	Concentration [%]
Lugalvan DC	Aqueous emulsion of	21
Lugalvan FDC	an ethylene copolymer	21

Methanesulfonic Acid

Product	Chemical nature	Concentration [%]
Lutropur MSA	Methanesulfonic acid in water	70
Lutropur MSA-SP		70
Lutropur MSA-XP		94
Lutropur MSA 100	Methanesulfonic acid	100

Esters and Amides

Esters

Product	Chemical nature	Concentration [%]
Agnique AE 3-2EH	2-Ethylhexyl-lactate	≥98
Agnique AE 829	1,2-Cyclohexane dicarboxylic acid di-isononyl ester	≥99
Agnique ME 18 RD-F	Rapeseed oil fatty methyl ester	≥99
Agnique ME 18 SD-F	Soybean oil fatty methyl ester	≥99
Agnique ME 181	Oleic acid methyl ester	≥99
Agnique ME 1218	C ₁₂₋₁₈ -Fatty acid methyl ester	≥99

Amides

Product	Chemical nature	Concentration [%]
Agnique AMD 3 L	N,N-Dimethyl lactamide	≥98
Agnique AMD 810	C ₈₋₁₀ -N,N-Dimethyl amide	≥98
Agnique AMD 10	C ₁₀ -N,N-Dimethyl amide	≥98
Agnique AMD 12	C ₁₂ -N,N-Dimethyl amide	≥96

Soluble Silicates

Potassium Silicates

Product	Molar ratio $\text{SiO}_2/\text{AlK}_2\text{O}$	Concentration [%]
Grossil K 40 MV	3.35	39
Potassium Silicate 42/43	2.90	41
Trasol KC-K	3.95	20
Trasol KE-K	3.90	28
Trasol KH-K	3.50	35
Trasol KW-N	4.00	29

Sodium Silicates

Product	Molar ratio $\text{SiO}_2/\text{AlK}_2\text{O}$	Concentration [%]
Hyporan 10	2.05	42
Nuclesil 70	2.85	45
Nuclesil 80	2.30	44
Perpura 38	3.45	36
Portil A	2.10	80
Sodium Silicate 37/40	3.40	35
Sodium Silicate 37/40 PE	3.45	36
Sodium Silicate 40/42	3.45	38
Sodium Silicate 47/48	2.70	43
Sodium Silicate 48/50	2.85	45
Sodium Silicate HK 30 PG	4.00	28

Waxes and Wax Emulsions

Polyethylene Waxes

Product	Chemical nature	Melting point DSC [°C]	Acid number [mg KOH/g]
Poligen Wax OA 3 Powder	Oxidized poly-ethylene waxes, emulsifiable	126 – 133	20 – 24
Poligen Wax OA 6 Powder		126 – 133	17.5 – 19

Polyether Wax

Product	Chemical nature	Melting point DSC [°C]
Poligen Wax V Flakes	Polyvinyl ether wax	47 – 51

Wax Emulsions

Product	Chemical nature	Solids content [%]	pH, 23 °C
Poligen WE 1	Oxidized poly-ethylene wax	34 – 35	9 – 10
Poligen WE 3	Ethylene copolymer wax	24 – 26	8.5 – 9.5
Poligen WE 4		20 – 22	8.5 – 9.5
Poligen WE 6	Oxidized poly-ethylene wax	33 – 35	7.5 – 9.5
Poligen MW 2	Montanic ester wax	38 – 42	4 – 6 (10% in water)

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