

Cleaning



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Our Partners for Cleaning



Anionic surfactants

Alkyl sulfates (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
EMAL® 10P-HD	Sodium lauryl sulfate	PU	95
EMAL® 10G	Sodium lauryl sulfate	GR	95
EMAL® 10G-3	Sodium lauryl sulfate	GR	95
EMAL® 10N	Sodium lauryl sulfate	N	95

- High foaming primary surfactants.

EMAL® 30E	Sodium lauryl sulfate	FI	30
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- High foaming surfactant with excellent cleaning performance. Not suitable for hard water, formulations containing electrolytes and high temperatures. Application: Hard surface cleaners, laundry detergent, shampoo, shower gel.

EMAL® 40TE	Sodium lauryl sulfate	FI	40
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- Surfactant. More mildness and better stability in hard water and high temperatures. Application: Mainly in baby shampoos and non-irritating shower gels.

Alkyl sulfonates (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
ALFANOX® 46	Sodium C14-16 Olefin sulfonate	FI	38
ALFANOX® 46 BA	Sodium C14-16 Olefin sulfonate	FI	38

- Foaming surfactants with excellent cleaning performance and different pH values. Applications: Hand dish wash detergent, liquid laundry detergent, shampoo, shower gel.

SULFONAX®	Dodecylbenzene sulfonic acid	FI	95
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- High foaming surfactants in acid form. Application: Multi-purpose cleaner for textiles and hard surfaces, wetting agent.

Alkyl ether sulfates (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
EMAL® 228D/JM	Sodiumlaurylether sulfate (Bronopol)	FI	28
EMAL® 228HP	Sodiumlaurylether sulfate (unpreserved)	FI	28
EMAL® 270D	Sodiumlaurylether sulfate	G / P	70

- High foaming, primary surfactants for cleaning and personal care products.

Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

C4-C8 Alkylethercarboxylic acids (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AKYPO® LF 1	Capryleth-6-carboxylic acid	Fl	92
AKYPO® LF 2	Capryleth-9-carboxylic acid	Fl	92
AKYPO® LF 4	Capryleth-9-Hexeth-4-carboxylic acid	Fl	90
AKYPO® LF 6	Capryleth-9-Buteth-2-carboxylic acid	Fl	90
AKYPO® LF 7	Buteth-6-carboxylic acid	Fl	83

- pH, acid, alkaline, peroxide, hydrolysis and hypochlorite stable surfactants. Low foaming. Hard water resistant. Support protection from corrosion. Hydrotropic properties.

C12-C14 Alkylethercarboxylic acids (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AKYPO® RLM 25	Laureth-4-carboxylic acid (2,5 EO)	Fl	95

- Application: Anti-corrosion agent, wetting agent foam booster in combination with SLES, co-emulsifier for cooling lubricant.

AKYPO® RLM 45 CA	Laureth-6-carboxylic acid (4,5 EO)	Fl	92
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- High foaming surfactant. Stable in hard water. Application in hypochlorite formulations. Emulsifying and dissolving properties.

AKYPO® RLM 100	Laureth-11-carboxylic acid (10 EO)	Fl	90
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- Very mild surfactant. Stable in hard water. Emulsifying and dissolving properties. Perfume solubiliser in hypochlorite formulations.

AKYPO® LM 40	Lauryl / Myristylcarboxylic acid (> 3 EO)	Fl	92
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- Excellent foam retention on vertical surfaces. Stable in high pH conditions. Mild, unpreserved.

C16-C18 Alkylethercarboxylic acids (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AKYPO® RO 20 VG	Oleth-3-carboxylic acid (2 EO)	Fl	95

- Secondary surfactant for formulations with a high oil content. Ideal for conveyor belt lubricants.

AKYPO® RO 50 VG	Oleth-6-carboxylic acid (5 EO)	Fl	92
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- Stable in hard water, secondary surfactant, which can be used as additives for conveyor belt lubricants.

AKYPO® RO 90 VG	Oleth-10-carboxylic acid (9 EO)	Fl / P	90
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- Stable in hard water. Supports the corrosion prevention. Application: Dispersing agent for lime soap, as well as anions. Additive for conveyor belt lubricants.

Form: F = solid / Fl = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Alkylethercarboxylates (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AKYPO® FOAM RL 40	Sodiumlaureth-5-carboxylate	P	60
AKYPO® RLM 45 N	Sodiumlaureth-6-carboxylate	P	82
AKYPO® SOFT 100 BVC	Sodiumlaureth-11-carboxylate + laureth-10	Fl	70
AKYPO® SOFT 45 HP	Sodiumlauryleth-6-carboxylate	Fl	22

- High foaming, mild surfactants. Stable in hard water. Emulsifying and solubilising properties.

Sodium-diisooctyl-sulphosuccinates (Libra Chemicals)

Trade name	Chemical name	Form	Active matter %
LIBRATEx DOS 60E	Diocetyl sulphosuccinate in water / ethanol	Fl	60
LIBRATEx DOS 60PG	Diocetyl sulphosuccinate in water / propylene glycol	Fl	60

- Strong wetting agents. Minimise surface tension significantly. Dissolving in many solvents, such as water and organic solvents. Application: Laundry detergent, metal degreasing, textile aids, emulsion polymerisation, agro products.

LIBRATEx DOS70	Diocetyl sulphosuccinate	Fl	66–72
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- Libratex DOS70 products are strong wetting agents, which are available in different solvents, such as water, propylene glycol, Shellsol D 60 or ethanol.

Alkylpolyglucosid esters (Lamberti)

Trade name	Chemical Name	Form	Active matter %
EUCAROL AGE / EC	Di-Sodium Alkylpolyglucosidcitrate	Fl	30

- Made from renewable raw materials. Preservative-free watery solution. Stable in pH 5.5. Application: Reduction of the irritation potential of liquid soaps, shampoos and laundry detergent.

EUCAROL AGE / ET	Sodium-Alkylpolyglucosidetartrat	Fl	30
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- Based on renewable and vegetable raw materials. Stable in pH 5.0. Extraordinary mild. Application: As surfactant for baby and intimate care and as secondary surfactant to reduce the irritation potential of liquid soap, shampoo and laundry detergent.

EUCAROL AGE-SS	Di-Sodium Alkylpolyglucoside Sulphosuccinate	Fl	45
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- EO-free, mild surfactant. Good cleaning and wetting properties. Made from natural raw material and with a good biological degradability.

Sarcosinate (Lamberti)

Trade name	Chemical Name	Form	Active matter %
CHIMIN L	Sodium N-Lauroylsarcosinate	Fl	30

- Conditioning and excellent foaming properties. Water soluble. Stable in pH range between 7.5–9.0. Recommended as foaming surfactant for soft textiles and carpets.

Form: F = solid / Fl = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Amphoteric surfactants

Alkyl- und alkylamido-betaines (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
BETADET® HR	Cocoamidopropyl Betaine	PU	30

- Very mild co-surfactant for baby and body care products, as well as thickener when combined with anionic surfactants and NaCl. Additional applications: Liquid dish wash detergent, laundry detergent.

BETADET® HR-50 K	Cocoamidopropyl Betaine	N	40
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- Similar properties to BETADET® HR, but in formulations with glycerin less effective concerning the viscosity. Recommended for highly concentrated products.

Alkyldipropionates (Libra Chemicals)

Trade name	Chemical Name	Form	Active matter %
LIBRATERIC BA-40	2-Ethylhexyldipropionate - sodium salt	FI	40
LIBRATERIC BA-60	2-Ethylhexyldipropionate - sodium salt	FI	60
LIBRATERIC BA-70	2-Ethylhexyldipropionate - potassium salt	FI	70
LIBRATERIC AA-30	Cocoaminodipropionate - sodium salt	FI	30
LIBRATERIC 110	Cocoamphodipropionate - disodium salt	FI	40

- No-salt dipropionate, ideal for applications where corrosion might be a problem. Compatible with cationic, anionic and non-ionic surfactants. Stable at high temperatures, under acidic and alkaline conditions and excellent hydrotropic properties. Application: Acidic and alkaline cleaners, vehicle cleaning, textile aid, high pressure cleaner, hydrotrope.

LIBRATERIC CAT-50	Cocoaminodipropionate - triethanolamine salt	FI	50
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- No-salt dipropionate. Low foaming surfactants with hydrotropic properties in acidic and alkaline formulations. Excellent if used with non-ionic surfactants. Application: Industrial cleaning, when a low concentration of metal ions is needed, such as turbine cleaning.

Non-ionic surfactants

Polyoxyethylene glycerin esters (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
LEVENOL® C-421	Glycereth-2 Cocoate	FI	100

- Non-ionic surfactant, which is used in foaming formulations. Ecological and toxicological advantages compared to other nonionic surfactants. Thickening properties. Natural origin. APG-alternative for hand dish wash detergent. HLB approx. 11.0. Label-free according to CLP.

LEVENOL® C-301	Glycereth-7 Cocoate	FI	100
LEVENOL® C-201	Glycereth-17 Cocoate	FI	100
LEVENOL® F-200	Glycereth-6 Cocoate	FI	100

- Nonionic surfactants, which are used for foaming formulations in homecare products. Ecological and toxicological advantages compared to other nonionic surfactants. Application: HDLD, hard surface cleaner. Label-free according to CLP.

EMANON® XLF	Glycereth-7 Caprylate / Caprate	FI	100
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Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Amine oxides (Kao Chemicals, Libra Chemicals)

Trade name	Chemical Name	Form	Active matter %
OXIDET® L-75 C	Cocoamidopropylamine oxide	Fl	30

- Foam booster and stabiliser. Thickener. pH influence on the viscosity (↓pH: ↑Visc.). Cationic character under low pH conditions. Application: Hand dish wash liquid.

OXIDET® DM-20	Lauramine oxide	Fl	30
OXIDET® DMCLD	C12-14 Coco amine oxide	Fl	30
OXIDET® DM-4	Myristamine oxide	Fl	30
OXIDET® DM-246	C12-16 Coco amine oxide	Fl	30

- Foam booster and stabiliser. Thickener. pH influence on the viscosity (↓pH: ↑Visc.). Cationic character under low pH conditions. Application: Perfume solubiliser and thickener in hypochlorite formulations.

LIBRANOX AO 10-30	Decylaminoxide	Fl	30
LIBRANOX AO 10-40	Decylaminoxide	Fl	40

- Offer cleaning power, viscosity control and foam boost with low to medium foaming. Compatible with most surfactants. Very good degreasing in liquid hand wash detergent. Have synergetic effects with anionic and non-ionic surfactants. Stable in acidic and alkaline formulations.

Alkyl polyglucosides (Libra Chemicals)

Trade name	Chemical Name	Form	Active matter %
LIBRACARE APG 06	Alkyl Polyglucoside (C6)	Fl	75
LIBRACARE APG 0810-50	Alkyl Polyglucoside (C8, C10)	Fl	50
LIBRACARE APG 0810-60	Alkyl Polyglucoside (C8, C10)	Fl	60
LIBRACARE APG 0810-70S	Alkyl Polyglucoside (C8, C10)	Fl	66
LIBRACARE APG 0814-50	Alkyl Polyglucoside (C8, C10, C12, C14)	Fl	50
LIBRACARE APG 1214	Alkyl Polyglucoside (C12, C14)	Fl	50

- Surfactants based on renewable raw materials, which can be used for highly alkaline or slightly acidic formulation. Depending on the chain length low to high foaming, good hydrotropic properties.

Fatty amides (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AMIDET® B-112	Cocamide DEA	Fl	100

- Viscosity influencing surfactant and foam booster. Lipid replenishing for the skin. Additional properties: Anti-static, anti-corrosive, wetting agent. Can be used in hygiene and hand dish wash detergent as thickener. Contains glycerin.

AMIDET® A-111-P	Coco amide MEA	F	100
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- Viscosity influencing surfactant and foam booster. Lipid replenishing for the skin. Also available as flakes. Contains glycerin. More efficient thickener than AMIDET® B-112.

AMIDET® N	Rapeseed amide PEG-4	Fl	95
AMIDET® A/18	Coco monoethanolamide PEG-6	Fl	100

- Non-ionic surfactant used in foaming formulations and home care products. Ecological and toxicological advantages in comparison to other non-ionic surfactants. Application: HDLD, hard surface cleaner. Label-free according to CLP.

Polyethoxylated castor oil (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
FINDET AR/45	Polyethoxylated castor oil (33 EO)	Fl	100

- Cleaning, foaming, wetting and dispersing agent. Emulsifier and solubiliser in various areas. HLB approx. 12.9.

FINDET® ARH-52	Hydrated polyethoxylated castor oil (40 EO)	F	100
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- Emulsifier. Fragrance and extract solubiliser. HLB approx. 13.9.

FINDET® AR/52	Polyethoxylated castor oil (40 EO)	Fl	100
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- Cleaning, foaming, wetting and dispersing agent. Emulsifier and solubiliser in various areas. HLB approx. 13.9.

EO-PO Derivates (Lamberti)

Trade name	Chemical Name	Form	Active matter %
CHIMIPAL PE 403	Fatty alcohol etho-propoxylated	Fl	100

- General properties are similar to ethoxylated alcohol – same cloud point (34.0°C), but less foaming. Suitable for use in formulations for hard surfaces, brightener, laundry detergent. Stays liquid even at very low temperatures. pH value (5% in watery solution): 5.0–7.0. Soluble in water, ethylenglycol, propyleneglycol, aromatic and chlorinated solvents, as well as vegetable oils. Insoluble in liquid paraffin.

CHIMIPAL PE 411	Fatty alcohol etho-propoxylated	F	100
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- EO-PO-derivate with good wetting properties. Cloud point 24–29°C. Water-soluble.

Polysorbates

- Polysorbates have excellent emulsifying properties and dissolve perfume oils and extract very well. Due to their high grade of ethoxylation they can decrease the irritation potential of anionic surfactants.

Cationic surfactants

Tea-quats (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
TETRANYL® AO-1	Dioleylester quat (IPA)	Fl	90
TETRANYL® CAR/AO	Dioleylester quat (IPA)	Fl	90
TETRANYL® CO-40	Dioleylester quat (PG)	Fl	80

- Application concentration between 1 and 2.5% as active matter. For cold manufactured fabric softeners or for formulation of hydrophobing agent.

TETRANYL® AT-7590	Hydrogen. tallowylethyl hydroxyethylmonium methosulfate & ditallowylethyl hydroxyethylmonium methosulfate	P / F	90
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TETRANYL® L1/90	Hydrogen. tallowylethyl hydroxyethylmonium methosulfate & ditallowylethyl hydroxyethylmonium methosulfate	P / F	90
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- Strong softening agent (two hydrophobic chains). Anti-static properties. Maximum concentration in final product: 22% (AT-7590), 28% (L1 / 90).

Form: F = solid / Fl = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

TETRANYL® U	Undecylenamidopropyltrimonium methosulfate	Fl	50
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- Fungicide properties. Compatible with anionic surfactants. Water-soluble. Application: Dermatologic shower gels. Concentration in use between 0.5-2%.

TETRANYL® DM-24	Lauryl / myristyltrialkylammonium methosulfate	Fl	50
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Surfactant blends

Pearlising agents (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AKYPO® SAL 2010 S	Sodium lauryl ethersulfate, cocoamide DEA, glycol distearate	Fl	36

- Dispersible at room temperature. Viscosity and temperature stable. Pseudoplastic. Not thixotropic. Good clouding properties. High content of pearlising agent. Application concentration: 2-10% (usually 4-8%).

DANOX® PL-10	Sodium lauryl ethersulfate, glycereth-2-cocoate, glycol distearate	Fl	52
DANOX® P-15	Sodium lauryl ethersulfate, cocamide MEA, glycol distearate	Fl	40

Diverse (Kao Chemicals)

Trade name	Chemical Name	Form	Active matter %
AKYPO® GENE KTS	Surfactant blend for carpet cleaning.	Fl	32

- Mixture of alkyl ether carboxylate and polymers. Application in aerosols for carpet and interior cleaning.

DANOX® DB-1	Surfactant blend for industrial use.	Fl	~ 80
DANOX® 511 B	Non-ionic surfactant blend – degreaser	Fl	~ 60

Sequestrants

Organophosphonic acids

Trade name	Chemical Name	Form	Active matter %
PBTC	2-Phosphonobutane-1, 2, 4-tricarboxylic acid	Fl	50
HEDP	1-Hydroxyethylidene (1,1-di-phosphonic acid)	Fl	60
DETMP	Diethylenetriaminepenta(methylenephosphonic acid)	Fl	50
ATMP	Aminotris(methylenephosphonic acid)	Fl	50
EDTMP	Ethylendiamintetra(methylenephosphonic acid)	Fl	92

- Organophosphonic acids have multifunctional properties such as sequestering, threshold inhibition of metal ions and deflocculation. Excellent hydrolytic stability, cost efficiency, performance. Application: Additives for cleaners, industrial and institutional cleaning, paper and cellulose bleaching, textile cleaning, formulations for bottle cleaning.

Organophosphonate salts / liquid

Trade name	Chemical Name	Form	Active matter %
HEDP Na4	Hydroxyethylidene (1,1- di-phosphonic acid) tetrasodium salt	FI	21% as acid 30% as salt
DETMP Na7	Diethylentriaminpenta -(methylen phosphonic acid) heptasodium salt	FI	25% as acid 32% as salt
DETMP Na7	Diethylentriaminpenta-(methylen phosphonic acid) heptasodium salt	FI	32% as acid 40% as salt
DETMP Na7	Diethylentriaminpenta-(methylen phosphonic acid) heptasodium salt	FI	47% as acid 50% as salt

Organophosphonate salts / powder

Trade name	Chemical Name	Form	Active matter %
HEDP Na2.6	1-Hydroxyethylidene (1,1-di-phosphonic acid) di (2.6) sodium salt	PU	72% as acid

- Good sequestering ability. It is used for water softening and to prevent problems caused by calcium, magnesium and iron ions, which can be found often as impurities in water. High temperature and hydrolysis stable in acidic and alkaline conditions.

HEDP Na4	Hydroxyethylidene (1,1- di-phosphonic acid) tetrasodium salt	PU / GR	59,5% as acid
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GLDA (NTA-free)

Trade name	Chemical Name	Form	Active matter %
GLDA Na4	L-glutamic acid-N,N-diacetic acid tetrasodium salt	FI	38

- Based on L-glutamic acid sequestrant with excellent biological degradability. NTA-free.

Polycarboxylates

- Polycarboxylates are effective sequestrants. Their high polarity prevents crystal growth and residues. We offer a broad portfolio of polymers that are based on acrylic acid (PAA) or maleic acid (PMA).

Polymers (Lamberti)

Trade name	Chemical Name	Form	Active matter %
CESMETIC 4 W	Hydroxypropylated guar gum	PU	100
ADEX DA 11	Acrylic copolymer	FI	~ 30
VISCOLAM® CK 1	Acrylic copolymer	FI	~ 30
VISCOLAM® AT 100 P	Sodium polyacryloyldimethyltaurate, hydrated polydecen, trideceth-10	FI	30–40
ESAFLOR HDR	Hydroxypropylated guar gum	PU	100

Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Thickeners and gelling agents

Xanthan: Thickener (CP Kelco)

Trade name	Chemical Name
Kelzan®	Xanthan gum

- Kelzan® products are water-soluble biopolymers, that are used to control flow behaviour of liquids and stabilisation of suspensions for various industrial applications. We offer different qualities with special properties (acid or alkaline stable, transparent, well dispersible, fast or delayed hydrating).

Gellan Gum / Carrageenan: Gelling agents (CP Kelco)

Trade name	Chemical Name
Kelcogel® AFT	Low acyl gellan gum
Kelcogel® LT 100	High acyl gellan gum

- Kelcogel® products are polysaccharides, gained from fermentation from cultures of *Sphingomonas elodea* (previously known as *Pseudomonas elodea*). These multifunctional hydrocolloids can be used in low concentrations for various products, where gelling, texturising, stabilising, suspension, film forming or structuring is needed. Typical application: Air freshener gels.

Pectin (CP Kelco)

Trade name	Chemical Name
GENU® Pectin	Pectin

- Available in different qualities.

CMC – Carboxymethyl cellulose (CP Kelco)

Trade name	Chemical Name
FINNFIX®	Carboxymethyl cellulose, refined technical quality
FINNFIX®	Carboxymethyl cellulose, technical quality
CEKOL®	Food and cosmetic quality

- Available in different qualities.

Diutan (CP Kelco)

Trade name	Chemical Name	Form
KELCO-VIS® DG	Diutan gum	PU

- Very pH tolerant (alkaline), sprayable. Compatible with cationic surfactants.

Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Fatty acids / Fatty acid esters

Fatty acids

Chemical Name
Caprylic acid
Capric acid
Lauric acid
Myristic acid
Palmitic acid
Stearic acid
Oleic acid
Palm oil - Stearic acid
Palm oil acid
Coconut fatty acid

Fatty acid esters

Chemical Name	Example
2-Ethylhexylester	2.Ethyl hexyl tallow fatty acid ester
n-Butylester	n-butyloleate, n-nutylstearate
Cetyl ester	Cetylpalmitate
Decyl ester	Decyloleate
Glyceride	Glyceroltrioleate, glycerolmonostearate (40 / 60 / 90%)
Isobutylester	Isobutylstearate, isobutyloleate
Isononylester	Isononylsteareate
Isopropylester	Isopropylmyristate, isopropyloleate, isopropylpalmitate
Isotridecylester	Isotridecylaurate
Methylester	Methylrapeseed ester, methylaurate
Pentaerythritol Ester	Pentaerythritoltetraisostearate
Polyethylen Glycolester	PEG-600 dioleate; PEG-200 mono oleate
Sorbitanester	Sorbitantrioleate; sorbitanmonooleate (20 EO)
Stearylester	Stearylaurate, stearylstearate
Trimethylolpropanester	Trimethylolpropantrioleate

Silicone / Silicone emulsions

Silicone antifoam – emulsions (Dow Consumer Solutions)

Trade name	Viscosity (cP)	Form	Active matter %
Xiameter® AFE-0400 Antifoam Emulsion	500–2000	FI	10

- Dilution stable (1% solution, pH > 13, 80°C or 10%, pH 7, 1 month).

Xiameter® AFE-0110 Antifoam Emulsion	1000–6000	FI	10
Xiameter® AFE-0310 Antifoam Emulsion	3000	FI	30
Xiameter® AFE-1510 Antifoam Emulsion	2000	FI	10

- Effective in hot and cold processes as well a slow temperatures. Free from animal derived raw material.

Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Xiameter® AFE-1520 Antifoam Emulsion	6000	FI	20
Xiameter® AFE-1530 Antifoam Emulsion	3000	FI	30
Xiameter® AFE-0700 Antifoam Emulsion	1500	FI	14
Xiameter® AFE-0020 Antifoam Emulsion	700	FI	20

- Effective in hot and cold processes as well a slow temperatures. Free from animal derived raw material. Suitable as process aid in food area. Other applications: cosmetics, waste water treatment.

Silicone antifoam (Dow Consumer Solutions)

Trade name	Viscosity (cP)	Form	Active matter %
Xiameter® ACP-3425 Antifoam Compound	2600–3600	FI	100

- Stabilising properties in liquid laundry detergent with high density due to its high density. ACP-3425 acts de-airing during spray drying of powder laundry detergent and therefore leads to a lower viscosity, powders with a higher bulk density and a shorter manufacturing time. Suitable for various cleaners, a broad pH range and different washing temperatures. Independent from water hardness. Safe. Application: Liquid laundry detergent, powder laundry detergent, supports the suspension process.

Xiameter® ACP-1500 Antifoam Compound	1200	FI	100
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- Effective in watery and non-watery foaming systems, at low concentrations in hot and cold processes. Odour and tasteless. Sterilisable. Free from animal derived raw material. Approved for food contact.

Dowsil™ AC-8066 Antifoam	1300	FI	100
Dowsil™ AF-8014 Antifoam	1500	FI	100

- Effective in low application concentrations as well as in combination with softeners with low quaternary share. The foam dissolves quickly during rinsing. Easy handling in fabric softeners. New foam control for fabric softeners, that only get rinsed once.

Powdered encapsulated antifoams (Dow Consumer Solutions)

Trade name	Form	Active matter %
Xiameter® APW-4248 Powdered Antifoam	PU	12,5
Xiameter® APW-4503 Powdered Antifoam	PU	9–13

- Effective in low application concentrations. Compatible with many surfactants in a wide range of different pH values and temperatures. The performance is independent from water hardness.

Textile use – emulsions (Dow Consumer Solutions)

Trade name	Description	Form	Active matter %
Xiameter® MEM-1865 Emulsion	Anionic microemulsion - PDMS	FI	40
Xiameter® MEM-8035 Emulsion	Cationic emulsion - amino functional	FI	35
Xiameter® MEM-8203 Emulsion	Non-ionic microemulsion - amino functional	FI	18
Xiameter® MEM-8663 Emulsion	Cationic emulsion - amino functional	FI	15
Xiameter® MEM-0346 Emulsion	Silicone emulsion low viscosity - PDMS	FI	60
Xiameter® MEM-0036 Emulsion	Non-ionic emulsion - PDMS	FI	35
Xiameter® MEM-1607 Emulsion	Cationic microemulsion - PDMS	FI	36
Dowsil™ HV-496 Emulsion	Anionic silicone emulsion high viscosity - PDMS	FI	35

Polydimethylsiloxanes (Dow Consumer Solutions)

Trade name	Viscosity (CP)	Form	Active matter %
Xiameter® PMX-200 Fluid 5–10.000 cs	5–10.000	FI	100

- High dielectric strength, dampening effect. Resistant to oxidation, chemicals and weather. Application: Cosmetics, elastomer and plastic lubricant, electrical insulation fluid, antifoam, mechanical liquid, release agent, surface-active substances, solvent based varnish.

Cyclics (Dow Consumer Solutions)

Trade name	Form	Active matter %
Xiameter® PMX-0245 Cyclopentasiloxane	FI	100
Xiameter® PMX-0345 Cyclosiloxane Blend	FI	100

- Effective at low concentration in use. Compatible with most surfactants, a broad pH and temperature range. Performance independent from water hardness.

Silicone removers (Dow Consumer Solutions)

Trade name	Description	Form
Dowsil™ DS-1000	Watery cleaner for removal of liquid residues	FI
Dowsil™ DS-2025	Silicone remover to remove resin residues	FI

- Cleaning solution for silicone residues in kettles, tubes, production lines, where large amounts of silicones are used.

Addendum (Dow Consumer Solutions)

- Due to the large variety of products from Dow Consumer Solutions and Xiameter it is not possible to list the complete product portfolio. Please contact us, if you can't find your desired product.

Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Fragrances (Lothar Streeck)

- We can offer you a perfume composition which will meet your requirements.
- All regulatory requirements are met. Allergen-free compositions are available upon request.
- Popular fragrances such as apple, lemon, acid-stable lemon, bubble gum, ocean breeze, pine, raspberry, kiwi, papaya, vanilla and rose are always available.

Odour absorbers

Trade name	Chemical Name
DeoPlex® Clear	Saccharomyces ferment

- DeoPlex® products are natural deodorising active substances that are made from renewable raw materials. Safe and effective odour neutralisation, based on natural processes. They eliminate bad odours caused by sweat, smoke, mould, food, hair remover, garbage and pets.

DeoPlex® ORGANIC	Saccharomyces ferment, ethanol
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- Organic product, certified by the US-Department of Agriculture National Organic Program (NOP).

DeoPlex® DH	Saccharomyces ferment
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- Preserved with potassium sorbate. Preservation booster: Zemea® (1,3 Propanediol).

Ricisorb	Zinc ricinoleate
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- Ricisorb-odour absorber are based on zinc ricinoleate as active substance. The zinc atom sequesters the functional group of the molecules that cause the bad smell, such as thiols, mercaptans, carboxylic acids or amines. Our activated version is water-soluble and can interact with the odour molecule.

Phosphoric acid esters (Libra Chemicals)

Trade name	Chemical Name
LIBRAPHOS 1028	Tridecanol + 5 EO diester
LIBRAPHOS 1187	2-ethylhexanol + 3 EO diester
LIBRAPHOS 1138	C 12-14 alcohol + 4 EO diester
LIBRAPHOS P4	Phenol + 4 EO monoester
LIBRAPHOS L66	Ka-salt of Libraphos P4

- LIBRAPHOS P4 is the acidic version of LIBRAPHOS L66. It is used as hydrotrope and especially recommended to increase the solubility of low foaming surfactants.
- LIBRAPHOS products have an excellent stability in acidic and alkaline systems, as well as at high temperatures. Application: Wetting, emulsifying, lubricating and cleaning agent, as well as corrosion protection.

Form: F = solid / FI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

Solvents & Degreaser (Elevance, DuPont Tate & Lyle BioProducts)

Trade name	Chemical Name
Elevance Clean® 1000	Methyl 9-decenoate
Elevance Clean® 1200	Methyl 9-dodecenoate

- Strong and innovative solvents. Both versions are based on renewable raw materials and have, compared to other solvents, an advantageous CLP-classification. Elevance Clean® 1000 can ideally be used to replace orange terpenes, while Elevance Clean® 1200 is an interesting alternative to esters and aliphatic hydrocarbons.

ZEMEA®	1,3-Propandiol
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- Plant-based 1,3-Propandiol. Solvent. Enzyme stabiliser.

Preservatives (Emerald Kalama)

Trade name	Chemical Name
Kalaguard™ SB	Sodium benzoate

- Sustainable preservative with biocide registration. Kalaguard™ SB is free of odour and colour and has a purity of 99,98%. Conform to Ecocert, Ecolabel and Nordic Swan. Allows preservation free of MIT/BIT/CIT in a pH range from 2 to 7. Application: Preservative in softeners, hand dish wash detergent, descalers, wet wipes and liquid laundry detergent.

Specialties & Commodities

Trade name	
Carnauba wax	
Glycerin	

Form: F = solid / LI = liquid / G = gel / GR = pellets / N = needles / P = paste / PU = powder / W = wax

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