



HARKE HomeCare, I&I, AutomotiveCare HARKE GROUP Home & PersonalCare, I&I Division







One Partner. One Responsibility.

HARKE GROUP

is a family-owned, international group, offering speciality materials, technical support and customized solutions, including formulating, blending and contract packaging for technical applications.

HARKE HomeCare, I&I, AutomotiveCare

are business units of HARKE GROUP active in the field of the cleaning and detergent industry.

HARKE HomeCare, I&I and AutomotiveCare stands for several years of experience in the distribution of raw materials for these industries. We offer innovative products from international principals and assist you concerning the formulation of new products. Our team is always up to date on the latest trends and new raw materials.



Thorsten Harke | President HARKE GROUP



Jens Prinssen Board Member Home & PersonalCare, I&I Managing Director HARKE Chemicals GmbH

HARKE GROUP Home & PersonalCare, I&I Division

- HARKE HomeCare
- HARKE PersonalCare
- HARKE I&I
- HARKE AutomotiveCare

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HARKE GROUP

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HARKE HOME & PERSONALCARE, I&I



FACTS & FIGURES

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Warsaw

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Mohács

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Bucharest

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Istanbul

Bochum

Mülheim an der Ruhr

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Milan

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Moscow

WORLDWIDE ASSISTANCE

With offices across many European countries and in India, we are able to offer our Partners a local presence. Using local languages, our experts are able to provide advice and assistance, anywhere and at any time.

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Manchester

Dublin

Halifax

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Brussels

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Lyon

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Paris



- Headquarters
- Subsidiaries
- Production/Storage
- Sales Offices

OUR SERVICES

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Our Services

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#OnePartnerOneResponsibility

Depending on your needs we can take over the responsibility of the full value chain for you from product development over raw material supply, mixing, blending, packaging until the final product.

HARKE HomeCare I&I AutomotiveCare

COMMERCIAL EXCELLENCE

With more than 40 years experience in the distribution of cosmetic raw materials, we put your individual requirements in the heart of our activities.

EXHIBITIONS & CONGRESSES

You can meet our team on all local and international trade shows across the globe. We welcome you to visit us to learn more about our possibilities and to discuss new projects.

TECHNICAL SUPPORT

We offer excellence in technical service in many application areas. We assist your projects from kickoff to the commercial implementation with R&D support, development of innovative concepts and supply of scientific data. Our experienced technical team is at your disposal for formulation advice and solving your problems.

CUSTOMIZED SOLUTIONS

With several years of experience in the worldwide distribution of raw materials for the cosmetic industry, we focus on our customer needs. We support you with the full technical and commercial services, from the sourcing of raw materials to the development of formulations. Transparent communication, minimizing costs and enhancing your benefits – that is our contribution to your success.

SUPPLY CHAIN MANAGEMENT

Our logistics and customer service teams consider themselves as a part of your value chain. We guarantee batch traceability supported by SAP/ R3. You can count on a qualified supply chain as we use approved warehouse and transport partners only. We offer specific logistic solutions, e.g. just-in-time deliveries, short lead times and consignment stock.

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PRODUCTS BY APPLICATIONS

RCI % > 60 RSPO "Roundtable On Sustainable Palm Oil" mass balance quality available

Only coconut oil feedstock

HARKE HomeCare, I&I, AutomotiveCare

PRODUCTS FOR AIR CARE

Products by Application

AIR CARE





Additive	Chemical Name	Benefit
Flexisorb™ OD-120ZnR	Zinc Ricinoleate 20% Active	Concentrated chelate-free zinc salt dispersion readily dilutes in water . Maintains excellent clarity down to 5% as supplied, with excellent cold temperature stability.
Flexisorb™ OD-202	Zinc Ricinoleate 5% Active	Concentrated zinc salt dispersion with anti-resoil ingredients readily dilutes in water, is formulated with soil and stain resist agents that prevent sticky and tacky residues that attract soil on carpeting and upholstery.
Flexisorb™ OD-300	Zinc Ricinoleate 30% Active	Highly concentrated zinc salt dispersion readily forms a microemulsion when diluted in water. Effective against smelly acids, amines, mercaptans and thioethers, including hydrogen sulfide and ammonia. Use as a stand alone odor control agent , or as an additive in hard and soft surface cleaning formulations
Flexisorb™ OD-500	Zinc Ricinoleate 50% Active	Highly concentrated zinc salt dispersion soluble in alcohol and polar organic solvents, and in aque- ous surfactant mixtures. High actives, low moisture complex , requires additional stabilizing ingredients.
Flexisorb™ OD-P	Zinc Ricinoleate 100% Active	High-Actives solid soluble in alcohol and polar organic solvents, in aqueous surfactant mixtures, pastilles for easy and convenient handling.

Ethosulfate tile organic molecules, minimizing their potential for producing odors and lowering their intens in the air. Easy to formulate , completely water soluble without the need of additional solubi-	HARKE Surf SME	Soyethyl Morpholinium Ethosulfate	Cationic surfactant that neutralizes a wide range of unpleasant odors, forms a complex with vola- tile organic molecules, minimizing their potential for producing odors and lowering their intensity in the air. Easy to formulate , completely water soluble without the need of additional solubi- lizers. Effective in complexing and eliminating airborne and surface malodors such as tobacco, vegetable smells, body odor, animal scents and cooking fat.
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Solvent	Chemical Name	Benefit
Augeo® Clean Multi 🔎	Isopropylideneglycerol	Excellent carrier and/or diluent for fragrances , outstanding solubilization power, sufficient evaporation rate and low odor extending the air fresheners fragrance. A bio-based solvent with low odor and non toxic, low carbon footprint.
Augeo® Crystal (*) 🔎		Sustainable with a natural content of 66,7% , as it is obtained from the acetalization of renewable sources (glycerin). (*) vegan, feedstock soya bean, biobased
Isopropanol	lsopropylalcohol	Dissolves a wide range of non-polar compounds, evaporates quickly , leaves nearly zero oil traces, compared to ethanol, and is relatively non-toxic, compared to alternative solvents.

Surfactant	Chemical Name	Benefit
Alkamuls [®] CRH 40	PEG-40 Hydrogenated Castor Oil	Effective solubilizer for aqueous and aqueous-alcoholic solutions of fragrances or lipophilic actives, co-emulsifier, stable under neutral, mildly acidic and mildly alkaline conditions.
ERCASORB MSE V/FD	Polysorbate 60	O/W nonionic emulsifier, suitable for creams, liquid emulsions and as solubilizer for essential oils .
HARKE Surf Muls D6 🦯	Sorbitan Oleate Decylglucoside Crosspolymer	PEG-free, nonionic emulsifier made from 100% bio-based raw materials . Mostly hydrophilic, dispersible in water, soluble in varying degrees in organic liquids, used for oil-in-water (O/W) emulsification and dispersion of fragrances and all types of oils, compatible with nonionic, cationic and anionic ingredients and effective in systems with relatively high levels of electrolyte, acid or base.
Mackam [®] OIP-40	Sodium-2-Ethyl-Hexylimnodipro- pionate	Low foaming , salt free hydrotrope, good caustic stability, coupling agent, soluble in ethanolic and isopropanolic systems as well as water with good wetting contact angle reduction.

Rheology Modifier	Chemical Name	Benefit
Aqua-Sol C610 🦯	Carrageenan	Quality fine powders manufactured from natural strains of red seaweeds specially formulated for use in high clarity air freshener gel applications .
Cellogen	Carboxymethyl Cellulose, Sodium (CMC)	Water soluble, derived from naturally occurring cellulose, specifically purified, viscous biode- gradable non-toxic polymer, used in different fields of industry due to its versatile rheological functions.
Jaguar® HP-120 <i> </i>	Hydroxypropyl Guar	Renewable polymer extracted from the guar bean, displays rapid hydration effect in hydro alcohol- ic solutions without the need for neutralization, will tolerate up to 90% Ethanol or Isopropa- nol . Inclusion level – circa 1 - 1,5%. RCI 71%.
Jaguar® HSG 🦯	Hydroxypropyl Guar	Compatibility with very high alcohol contents, provides homogeneous clear formulations even at 75% alcohol contents, natural based with an RCI of 71%, with all types of active quats, from pH 4 to pH 9 and with standard emollients. Inclusion level – circa 1 - 1,5%.
Rheomer® 33T	Polyacrylates-33	Easiliy dispersible liquid HASE-polymer which will give viscosity upon neutralized. A pH above 6,5 will give clarity, will tolerate up to 70% ethanol or isopropanol . Inclusion level – circa 4 - 6%.

Additive	
Fragrances	High quality fragrances based on aromatic ingredients, oil and water-soluble, with outstanding chemical stability and long lasting smell, designed on request.
Colorants	Concentrated liquid colors for general product tinting of toiletries, cleaning products, sanitizing agents, industrial formulations, household products.

Reed diffuser			
Ingredients	Market Product	Proposal 1	Proposal 2
Fragrance	10 - 20%	10 - 20%	10 - 20%
DPM/DPMA	80 - 90%	-	-
Ethanol	-	-	5 - 10%
Augeo® Clean Multi	-	80 - 90%	65 - 85%
Spray			
Ingredients	Market Product	Proposal 1	
Fragrance	10 - 20%	10 - 20%	
DPM	80 - 90%	-	
Augeo® Clean Multi	-	80 - 90%	
Plug-In			
Ingredients	Market Product	Proposal 1	
Fragrance	10 - 40%	10 - 40%	
DPM	60 - 90%	-	
Augeo [®] Clean Multi	-	60 - 90%	
Air care gel			
Ingredients	Market Product	Proposal 1	
Fragrance	2 - 10%	2 - 10%	
Alkamuls [®] CRH 40	6 - 10%	3 - 5%	
Aqua-Sol C610	2%	-	
Augeo® Clean Multi	-	3 - 5%	
H ₂ O	up to 100%	up to 100 %	
Air fresh spray		Odour absorber Supa dupa ONX-110	
Ingredients	%	Ingredients	%
HARKE Surf SME	1	Flexisorb [™] OD-120ZnR	25
Fragrance	0,50	Fragrance	1
HARKE Surf Muls D6	6	Mackam [®] OIP-40	5
Presevative	qs	38% EDTA	5
H,O	up to 100%	H ₂ 0	up to 100%

*Note: The information and recommendations given are, to the best of our knowledge, information and belief, accurate at the date of publication. HARKE Chemicals GmbH assumes no obligation or liability for results obtained or for injuries and damages resulting from the use of its products. It is the responsibility of the user to determine the effectiveness, compatibility, safety and stability of their products and also to ascertain that these preparations do not infringe patents or other industrial property rights held by third parties.

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AUTOMATIC DISHWASH



Bleaching Agent	Chemical Name	Benefit
Eureco™ RP103	Phthalimido Peroxycaproic Acid	Dry granular mixture based on PAP crystals, delivers outstanding bleaching, disinfecting and de- odorizing effect in low temperature washing. It is suitable for formulating powdered detergents, requires a very low dosage (indicative ratio 1:7 vs. Sodium Percarbonate + TAED). This makes it suitable for manufacturing compact detergents as well as small unit doses. Formulated with high technical standards, optimal dissolution rate with a long lasting shelf life.
Oxyper [®] SCS, SCM	Sodium Percarbonate	Stabilized grade specially designed for use in laundry (powders and tablets) and in bleach addi- tive products.
TAED	Tetraacetylethylendiamin	Enables cleaning effectively and safely at lower temperatures , thereby reducing energy usage and minimizing environmental impact.

Builder & Chelate	Chemical Name	Benefit
Nabion™ 15	Co-Granular Soda Ash/Silicate	Builder for dry-mixing process or in post addition for powder and tablet formulation, key functions elimination of Ca and Mg , contribution to alkalinity and liquid absorption, dispersing agent to prevent mineral deposits , due to high alkalinity soil removal in automatic dishwashing and laundry detergents.
Nabion™ 26	Co-Granular Soda Ash/Silicate	Sequestering agent (capturing magnesium and calcium) used in the formulation of powders or tablets for washing machines and dishwashers, replacing products that are near end-of-life such as phosphates and zeolite, labelled as non-corrosive , more flexibility in the formulation in respect of consumers safety.

Flexisperse™ 450N	Fully Neutralized Sodium Poly- acrylate	Multi-functional ingredient enhances the performance and efficiency of cleaning formulations, sequesters hardness ions allowing for optimum surfactant performance, delivers excellent crystal growth inhibition , anti-encrustation, anti-redepostion of particulate soil, stable builder in high alkaline/bleach I&I cleaners.
ADPA	Sodium Salt of 1-Hydroxyethan-1,1-Diphos- phonsäure (HEDP)	Excellent calcium carbonate inhibitor , used as a combination of chelating agent, scale inhibitor, and bleach stabilizer.
Film & Performance Polymer	Chemical Name	Benefit
Mirapol [®] Surf-S 480 PF NP	Acrylic-Based Polymer	Best-in-class surface hydrophilization polymer designed for ADW applications, outstanding shining and spot-free results on glass and ceramic with a dosage level of 0,5 - 1%. Available as a preservative free or Ecolabel conform version (490-PF) preserved with Phenoxyethanol.
Mirapol [®] Surf-S P free power NP	Blend of Acrylic Based Polymer and Sodium Carbonate	Granular powder to be used in automatic dish washing (3in 1 tablets or powder) to deliver the rinse aid function, bring superior performances in phosphate-free formulations, avoid spot & streak-free residues on dishware, rinse-aid multi-benefits for all-in-one detergents, easy process: liquid or granulated polymer easy to introduce , no polymer build-up.
Rheology Modifier	Chemical Name	Benefit
Rheozan® BLC 🦯	Water, Cellulose, Glycerin, Xan- than Gum, Cellulose Gum, Sodi- um Benzoate	Liquid suspension aid , improves compatibility, easily soluble, stable across a wide range of pH, doesn't impact perceived viscosity. Applications: Laundry detergents, dish wash, cleaners, suspending abrasive particles, capsules or actives RCI <90, 100% natural, alternative to synthetic.
Rhodopol [®] Extra 2 Clear	Xanthan Gum	Cost-efficient in mild acidic media, highly pseudo plastic, useful for thickening and stabilizing, fast solubilisation and processing in acidic media, suitable for clear formulations.
Surfactant	Chemical Name	Benefit
Antarox® LF 54 🏠	Fatty Alcohol Ethoxylate	Detergent with low foaming properties suitable for technical cleaners and rinse aids, also for industrial use, C12/C14 Alcohol 5EO/4 PO. Cloud point 28 - 31 °C .
Antarox [®] L64	Poloxamer 184	Specialty poloxamer surfactants to be used in detergent or rinse aid applications, perfect option for low foaming and wetting agents. Cloud point 57 - 61 °C .
Antarox [®] L62	Polaxamer 182	Versatile nonionic surfactant, used in industrial and homecare application such as automatic dish- wash formulations, hard surface cleaners and general cleansers. Cloud point 30 - 34 °C .
HARKE Surf APG 4	C4 Butyl Polyglucoside (APG)	An alkylpolyglucoside, a non-ionic non ethoxylated surfactant prepared from glucose and alcohol, high wetting power for reinforce the spreading and penetration. Very limited up to no foam production.

Additive	
Fragrances	High quality fragrances based on aromatic ingredients; oil and water-soluble, with outstanding chemical stability and long lasting smell, designed on request.
Colorants	Concentrated liquid colors for general product tinting of toiletries, cleaning products, sanitizing agents, industrial formulations, household products.

FORMULATION*: AUTOMATIC DISH	WASH (ask our technical team f	or more formulations)		
Dishwashing powder				
	Premium	Standard	Innovative	
Ingredients	%	%	%	
Trisodium Citrate	30	15	20	
Sodium Carbonate	13	10	10	
Nabion [™] 26	30	25	30	
Antarox [®] LF 54	3	3	3	
Oxyper [®] SCS	-	18	10	
TAED	-	3	2	
Eureco™ RP103	10	-	5	
Mirapol [®] Surf-S P free power NP	2	1	1	
ADPA	1	1	1	
Flexisperse™ 450N	8	8	8	
Protease	1,5	1,5	1,5	
Amylase	1,5	1,5	1,5	
Sodium Sulfate	-	13	7	
Rinse aid				
Ingredients	%			
Antarox [®] LF 54	7			
Sodium Cumene Sulfonate	10			
Citric Acid	4			
H ₂ O	up to 100%			

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HAND DISHWASH



Additive	Chemical Name	Benefit
Mackadet® OPR 2 🤝	Cocamidopropylbetaine, Glycol Distearate, Sodium Benzoate	Unique natural-based opacifiying concentrate , designed as an alternative to polymeric opacifiers, easy to formulate, cold process, no need for heat, concentrate based on renewable resources which degrade naturally in the environment. RCI = 90% , Use level 3 - 4%. No need to add rheological agent if viscosity is > 3000 cps. Provides a rich and creamy appearance. Enhance the intensity of the formulation color!
ERCAPEARL 500	Sodium Laureth Sulfate, Gly- col Distearate, Cocamide MEA, Laureth 10	An effective cold pearlizing agent , delivering a high level of pearlizing ester, and foam boosting and stabilisation.
Film & Performance Polymer	Chemical Name	Benefit
Mirapol [®] Surf-S 600	Acrylic-Based Polymer	Hydrophilising polymer, provides anti-spotting, anti-streaking, anti-filming, preservative free.
Flexipel SR-80	Acrylic-Based Polymer	Invisible, durable oil soil, soap scum and hard water deposit barrier.
Rheology Modifier	Chemical Name	Benefit

Surfactant	Chemical Name	Benefit
Cepsinol® -es 1216/2S 🏠	Sodium Lauryl Ether Sulfate	High surface activity, high foam ability, good viscosity response, low irritation property and excellent hard-water resistance. Readily biodegradable, used as primary surfactants in cosmetic products. Available in 28% and 70% concentration, high pH ⇒ preservative free. Preservation on request if needed.
HARKE Surf Suga Fax 🦯	Sodium Decylglucosides Hydroxy- propyl Phosphate	100% biobased, nonpetroleum based, EO/PO Free, readily biodegradable, safe for the environ- ment and humans, mild to eyes and skin, rapid wetting, broad spectrum of pH usage, effective detergent and hydrotrope .
HARKE Surf Nate 100P <i> H</i>	Sodium Hydroxypropylsulfonate Decylglucoside Crosspolymer	High foaming sulfonated surfactant based on a naturally-derived alkyl polyglucoside derivative, offers good emulsification, mildness to the skin, excellent lime soap dispersion to give the formulator maximum flexibility in the preparation of light and heavy duty cleaners. Stable at any pH makes it desirable in many formulations for I&I and home care.
HARKE Surf 100 NC 🥟	Sodium Decylglucosides Hydroxy- propylsulfonate	High foaming sulfonated surfactant based on a naturally-derived alkyl polyglucoside derivative, offers good emulsification, mildness to the skin, and excellent lime soap dispersion to give the formulator maximum flexibility in the preparation of light and heavy-duty cleaners, suitable for use in acidic formulations.
Mackam® 50 ULB 🦯 🚱	Cocamidopropyl Betaine	High active grade made from a low colour and odour, coconut feedstock , about 25% more concentrated than typical grades of CAPB, no need for a preservative, excellent stability over a broad range, compatible with both anionic & cationic surfactants. RCI 63%.
Mackam® CBS 50G 🔎	Cocamidopropyl Hydroxysultaine	Robust, high foaming surfactant, excellent foam volume and stability across a wide range of pH and in high electrolyte systems. Excellent lime soap dispersion . RCI 63%.
Mackam® LSB-50 🦯	Lauramidopropyl Hydroxysultaine	Similar to Mackam CBS 50G, but improved color stability, extreme mild amphoteric surfactant. Good soil removal. RCI 60%.
Mackamine® 654 🦯	Decylamine Oxide	Low to moderate foaming properties, compatible with most surfactants, no hydrolyze in acid systems, stable in highly alkaline products, useful in high electrolyte containing cleaners and foamers . RCI 83%.
Mackamine® CAO E-36 / 🥬	Cocamidopropyl Amine Oxide	Non Ionic surfactant providing long lasting foam, high natural based ingredient, viscosity building . RCI 73%.
Mackamine® LA 🤝 🏠	Lauramine Oxide	Non Ionic surfactant providing long lasting foam and good detergency, foam volume & stability, grease removal. RCI 86%.
Rhodacal [®] LSS 92/MRP	Sodium C14 Olefin-Sulfonate	Very high foaming surfactants in powder form used in a wide range of formulations
Rhodapex® ESB-70 NAT 🦯 🏠	Sodium Lauryl Ether Sulfate	2EO sodium laureth sulfate that is made from 100% renewable carbon . Ethlylene oxide is made from sugar cane and fattyalcohol from palm kern oil.

Additive	
Fragrances	High quality fragrances based on aromatic ingredients; oil and water-soluble, with outstanding chemical stability and long lasting odors, designed on request.
Colorants	Concentrated liquid colors for general product tinting of toiletries, cleaning products, sanitising agents, industrial formulations, household products.

FORMULATION*: HAND DISHWASH (ask our technical team for more formulations)		
Efficient HDW with low active content		
Ingredients	%	
H ₂ O	up to 100	
Rhodapex [®] ESB-70 NAT	12,2	
Mackamine® LA	2,5	
Mackam [®] 50 ULB	1,5	
Mackam® LSB 50	2	
Preservative	0,05 - 1	
Citric Acid	QS pH 7 - 8	
HDW with long lasting foam & self drying	g	
Ingredients	%	
H ₂ O	up to 100	
Rhodacal [®] LSS 92/MRP	1,65	
Rhodapex [®] ESB-70 NAT	19,28	
Mackamine® CAO E-36	16,67	
Mackam [®] LSB 50	9,76	
Mirapol [®] Surf-S 600	1	
Preservative	0,05 - 1	
Citric Acid	QS pH 7 - 8	
Sodium Chloride	QS viscosity 800 - 1200 cps	

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FABRIC CARE



Additive	Chemical Name	Benefit
ERCAPEARL 500	Sodium Laureth Sulfate, Glycol Distearate, Cocamide MEA, Laureth 10	An effective cold pearlizing agent, delivering a high level of pearlizing ester, and foam boosting and stabilisation.
Mackadet® OPR 2 🦯	Cocamidopropylbetaine, Glycol Distearate, Sodium Benzoate	Unique natural-based opacifiying concentrate, designed as an alternative to polymeric opacifiers, easy to formulate, cold process, no need for heat, concentrate based on renewable resources which degrade naturally in the environment. RCI = 90% , Use level 3 - 4%. No need to add rheological agent if viscosity is > 3000 cps. Provides a rich and creamy appearance. Enhance the intensity of the formulation color!
Bleaching Agent	Chemical Name	Benefit
Eureco™ RP103	Phthalimido Peroxycaproic Acid	Dry granular mixture based on PAP crystals. Delivers outstanding bleaching, disinfecting and de- odorizing effect in low temperature washing. It is suitable for formulating powdered detergents, requires a very low dosage (indicative ratio 1:7 vs. Sodium Percarbonate + TAED). This makes it suitable for manufacturing compact detergents as well as small unit doses. Formulated with high technical standards, optimal dissolution rate with a long lasting shelf life.
Eureco™ LX5	Phthalimido Peroxycaproic Acid	Liquid aqueous mixture containing PAP crystals in stabilized suspension, which exploits superior bleaching and deodorizing performance along with anti-mould and biocidal activity against a wide spectrum of germs and bacteria. Also available with 17% active content (as PAP).
Oxyper [®] SCS, SCM	Sodium Percarbonate	Stabilised grades specially designed for use laundry (powders and tablets) and in bleach additive products.
TAED	Tetraacetylethylendiamin	Enables clothes to be cleaned effectively and safely at lower temperatures , thereby reducing energy usage and minimizing environmental impact.

HARKE HomeCare, I&I, AutomotiveCare

Builder & Chelate	Chemical Name	Benefit
Nabion™ 15	Co-Granular Soda Ash/Silicate	Builder for dry-mixing process or in post addition for powder and tablet formulation, key functions elimination of Ca and Mg , contribution to alkalinity and liquid absorption, dispersing agent to prevent mineral deposits , due to high alkalinity soil removal in automatic dishwashing and laundry detergents.
Nabion™ 26	Co-Granular Soda Ash/Silicate	Sequestering agent (capturing magnesium and calcium) used in the formulation of powders or tablets for washing machines and dishwashers, replacing products that are near end-of-life such as phosphates and zeolite, labelled as non-corrosive , more flexibility in the formulation in respect of consumers safety.
Flexisperse™ 450N	Fully Neutralized Sodium Poly- acrylate	Multi-functional ingredient enhances the performance and efficiency of cleaning formulations, sequesters hardness ions allowing for optimum surfactant performance, delivers excellent crystal growth inhibition , anti-encrustation, anti-redepostion of particulate soil, stable builder in high alkaline/bleach I&I cleaners.
Flexisperse™ 875	Acrylic/Maleic Polymer	Provides a strong sequestration of hardness ions. Highest calcium binding coefficient.
DETPMP	Phosphonat	Excellent calcium carbonate inhibitor, in laundry detergents used as a combination of chelating agent, scale inhibitor, and bleach stabilizer.
Resaquest ECO	Confidential	Optimised blend of chelates, specifically developed to give an ecofriendly alternative to more traditional detergent builders whilst maintaining outstanding performance, no H phrases under CLP, no phosphates or phosphonates, near neutral pH value, out performs Na4EDTA on a one-to-one basis, up to three times more effective than Na3NTA, outperforms other eco options, i.e.: GLDA and Na4IDS.
Film & Performance Polymer	Chemical Name	Benefit
Repel-O-TEX [®] Crystal	Polyethylene Glycol Polyester	Designed for liquid laundry detergents , imparts soil release properties to polyester fabrics, offering protection against adhesion of greasy soils between wash cycles. Recommended inclusion rate: 1 - 1,5% .
Repel-O-TEX [®] SRP6	Polyethylen Glycol Polyester	Powdered polymer offering protection against the adhesion of greasy soils to polyester fabrics after two wash cycles, compatible with all powder formulations, powerful boost to soil removal for synthetic and mixed fabrics. Recommended inclusion rate: 0,5 - 1,0% .
Repel-O-TEX [®] SF2	Polyaromatic Ester	Designed for powder and tablet laundry , imparts soil release properties to polyester fabrics, offering protection against adhesion of greasy soils between wash cycles. Recommended inclusion rate: 0,5 - 1,0% .
Flexisorb™ OD-120ZnR	Zinc Ricinoleate 20% Active	Odor absorber for sports wash, dispersion which readily dilutes in water while (bio-based content) 20% actives maintaining clarity . Bio-based content from castor seed oil.

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Flexisorb™ OD-500	Zinc Ricinoleate 50% Active	Highly concentrated zinc salt dispersion soluble in alcohol and polar organic solvents, and in aqueous surfactant mixtures. High actives , low moisture complex, requires additional stabilizing ingredients. Use as an odor control agent in a range of applications 50% active.
Rheology Modifier	Chemical Name	Benefit
Rheomer® FC NAT 📈	Guar Gum	Allows formulations of transparent surface cleaner at low usage level, compatible with hydro alcoholic solutions . RCI 82%.
Rheomer® 33T	Polyacrylate -33	Designed to provide a high thickening efficiency , suspension properties & high clarity in low-medium surfactant content systems.
Rhodopol [®] Extra 2 Clear	Xanthan Gum	Cost-efficient in mild acidic media, highly pseudo plastic, useful for thickening and stabilizing, fast solubilisation and processing in acidic media.
Rheozan® BLC 🦯	Water, Cellulose, Glycerin, Xanthan Gum, Cellulose Gum, Sodium Benzoate	Liquid suspension aid, improves compatibility, easily soluble, stable across a wide range of pH, doesn't impact perceived viscosity. Applications: Laundry detergents, dish wash, cleaners, suspending abrasive particles, capsules or actives. RCI < 90, 100% natural, alternative to synthetic. Perfect match to Mackadet OPR 2 .
Surfactant	Chemical Name	Benefit
Cepsinol [®] -es 1216/25 🏠	Sodium Lauryl Ether Sulfate	High surface activity, high foam ability, good viscosity response, low irritation property and excellent hard-water resistance. Readily biodegradable, used as primary surfactants in cosmetic products. Available in 28% and 70% concentration, high pH ⇒ preservative free. We can add preservation on request if needed.
Geropon [®] T 77	Sodium Methyl Oleyl Taurate	Mild anionic surfactant that contributes a dense, creamy lather, excellent dispersant for hard water, used as a secondary surfactant, recommended for laundry hand wash and hand dish liquids.
Mackamine® MY 🔎	Myristamine Oxide	Excellent detergency, grease cutting & solubilizer. High foaming , hypochlorite and peroxide sta- ble. RCI 88%.
Mackamine® LA 📈 🏠	Lauramine Oxide	Non lonic surfactant providing long lasting foam and good detergency, foam volume & stability, grease removal . RCI 86%.
Rhodasurf [®] B7	Ethoxylated Fatty Alcohol	Used as a wetting agent and emulsifier, C12/C14 7EO.
Rhodapex® ESB-70 NAT 🦯 🥎	Sodium Lauryl Ether Sulfate	2EO sodium laureth sulfate that is made from 100% renewable carbon . Ethlylene oxide is made from sugar cane and fattyalcohol from palm kern oil.
Rhodasurf® 6 NAT 🦯	Laureth 6	6EO ethoxylated lauryl alcohol that is produced using only vegetable sources and having 100%



Bleaching Agent	Chemical Name	Benefit
Eureco™ LX17	Phthalimido Peroxycaproic Acid	Liquid aqueous mixture containing PAP crystals in stabilized suspension, which exploits superior bleaching and deodorizing performance along with anti-mould and biocidal activity against a wide spectrum of germs and bacteria. Extensive bleach and de-staining activity over a wide range of stains like: grass, tea, coffee, tomato etc. Removal of bad smells (sportswear, laundry machines, appliances). Also available with 5% active content (as PAP).

Film & Performance Polymer	Chemical Name	Benefit
Flexipel™ HR-C400	Confidential	Nonfluorinated water repellent treatment for textiles and upholstery such as cotton, polyester, and cotton/polyester blends with heat cure or ambient cure.
Thetapel™ AM 5010	Acrylic Fluoropolymer	Partially fluorinated product designed for aftermarket, ambient cure, soft surface soil and stain protection applications. While it offers protection to a broad range of surfaces, specifically designed to impart soil and stain protection, through optimal water and oil repellency when applied to apparel, upholstery, leather, carpeting and nonwoven fabrics. Exhaust application in laundry wash rinse cycle, followed with normal drying.
Thetapel™ AM 5022	Acrylic Fluoropolymer	Solvent based repellent made with acrylic fluoropolymer, provides a repellent barrier on surfac- es such as nylon, cotton, wool, polyester, polyolefin, etc. Also leather and upholstery. Both water and oil repellency benefits are provided. It can be used in solvent-based penetrating sealers and surface treatments. Fast drying. Non-VOC where t-butyl acetate is exempt. Soluble in most polar solvents. Can be spray applied.

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Solvent	Chemical Name	Benefit
Augeo® Clean Multi 🔎	Isopropylideneglycerol	Sustainable solvent with low odor, bio based derived from renewable source, excellent solubili- zation power , application cockpit cleaner.
Augeo® Crystal (*) 🦯		Sustainable with a natural content of 66,7% , as it is obtained from the acetalization of renewable sources (glycerin). (*) vegan, feedstock soya bean, biobased
Isopropanol	Isopropylalcohol	Dissolves a wide range of non-polar compounds, evaporates quickly , leaves nearly zero oil traces, compared to ethanol, and is relatively non-toxic, compared to alternative solvents.
Rhodiasolv [®] Infinity	Blend of Dibasic Ester Solvent and Proprietary Surfactants	Highly effective water dilutable microemulsion concentrate for all purpose cleaning, degreasing and general I&I Cleaner. Stain remover (D-limonene extender).

Surfactant	Chemical Name	Benefit
Flexistat™ WR-152	Proprietary Cationic Surfactant	Water-based fabric treatment that is effective in reducing wrinkles in most fabrics. This pH neutral, color safe treatment can be sprayed on casual clothes for hang drying to reduce wrinkles, or can be applied during ironing to give clothing a pressed appearance without being stiffened by starch.
Additive		
Fragrances		High quality fragrances based on aromatic ingredients; oil and water-soluble, with outstanding chemical stability and long lasting odors, designed on request.
Colorants		Concentrated liquid colors for general product tinting of toiletries, cleaning products, sanitising agents, industrial formulations, household products.

FORMULATION*: FABRIC CARE (ask our technical team for more formulations)

Liquid laundry with high RCI (87,6%)				
Ingredients	Function	Active %	Process	
H ₂ 0	Solvent	up to 100	Step 1: Set up beaker with impeller.	
Caustic Soda		1,81	Step 2 : Add at least ~90% of the deionised water to the beaker and heat to 50 - 60 °C.	
Lauric acid (soap)	Antifoam	3	Step 3: Add Sodium hydroxide (40% solution	
Repel-O-Tex [®] Crystal	Soil release polymer	1	in water) and lauric acid for saponifica- tion and follow by addition of citric acid	
Rhodasurf® 6 NAT	Non ionic surfactant	10	(50% solution in water). Check the pH	
Rhodapex® ESB-70 NAT	Anionic surfactant	14	and adjust to 7,5 - 8,0, if required.	
Citric Acid	Builder, enzyme stabilizer	1,5	Step 4. Add propylene grycol. Step 5: Add Repel-O-Tex® Crystal.	
Propylene Glycol	Viscosity stabilizer	4	Step 6: Add Rhodasurf® L6 NAT.	
Savinase Ultra 16L (Protease)	Enzyme	0,5	Step 7: Add Rhodapex® ESB70 NAT (requires long mixing time to completely solubilisation).	
Stainzyme 12L (Amylase)	Enzyme	0,15	Step 8: Add enzymes	
Carezyme Premium 4500L (Cellulase)	Enzyme	0,15	Step 9: Check pH, readjust to 7,5 - 8,0, if required Step 10: Add the remaining water	
Powdered bleach stain booster				
Ingredients	%			
Eureco™ RP 103	20			
Nabion™ 26	20			
Citric Acid	5			
Sodium Carbonate	5			
Geropon® T 77	1			
Sodium Sulfate	up to 100			
Repellent spray				
Ingredients	%	Method	Note	
Thetapel™ AM-5022	10	Blend all the ingredients together until clear and	This formulation is based on Thetapel AM-5022	
Isopropanol	2,5	homogenous to complete.	which is a solvent based fluorinated repellent and stain resistor for all surfaces, including fabrics. This formulation should be spray applied in a non-en- closed space and allowed to dry at ambient temperature.	
ISOPAR H	up to 100			

*Note: The information and recommendations given are, to the best of our knowledge, information and belief, accurate at the date of publication. HARKE Chemicals GmbH assumes no obligation or liability for results obtained or for injuries and damages resulting from the use of its products. It is the responsibility of the user to determine the effectiveness, compatibility, safety and stability of their products and also to ascertain that these preparations do not infringe patents or other industrial property rights held by third parties.

HARD SURFACE CLEANING



Additive C	Chemical Name	Benefit
Flexisorb™ OD-300 Z	Zinc Ricinoleate 30% Active	Highly concentrated zinc salt dispersion readily forms a microemulsion when diluted in water. High actives, readily emulsifiable zinc salt complex, may require additional stabilizing ingredients. Use as a stand alone odor control agent , or as an additive in hard and soft surface cleaning formulations 30% active

Builder & Chelate	Chemical Name	Benefit
Resaquest ECO	Confidential	Optimised blend of chelates. It has been specifically developed to give an ecofriendly alternative to more traditional detergent builders whilst maintaining outstanding performance. Carries no H phrases under CLP, no phosphates or phosphonates, near neutral pH value, out performs Na4ED-TA on a one-to-one basis, up to three times more effective than Na3NTA, outperforms other eco options, i.e. GLDA and Na4IDS.
Bricorr® 288	Phosphonated Oligomer	Delivering outstanding anti-scaling benefits with a very low P content i.e. 12% instead of 30% for standard phosphonates such as HEDP, brings very good stability in chlorine formulations equivalent or superior to PBTC (phosphono butane tricarboxylic acid). It has excellent calcium salt inhibition, outstanding calcium complexing and anti-scaling properties and is more active than PBTC on calcium sequestration. Excellent corrosion inhibitor on steel or aluminium.
Film & Performance Polymer	Chemical Name	Benefit
Flexipel Q-50	Water Based Silane Emulsion	An aqueous, water stable, reactive silane which readily dissolves in water to produce a range of

An aqueous, water stable, reactive silane which readily dissolves in water to produce a range of benefits **including antistatic, lubricity, water repellency, and scratch resistance**. Reduces the coefficient of friction making **polishing and wiping easier** in hard surface cleaners.

Fleixpel SR-80	Acrylic Based Polymer	Aqueous polymer used to impart a hydrophilic and easy clean surface which resists soap scum build-up, hard water deposits, and oily soil, provides spot-free drying and anti-fogging benefits in hard surface cleaners and treatments, functions in neutral, acid, alkaline, and peroxide environments. Acceptable for aerosol application.	
Flexipel SR-95 HF	Acrylic Polymer, Amphoteric Surfactant	This functionalized dispersant polymer has built-in detergent , wetting, and haze-free character- istics for use as an additive in bath & shower cleaners, hard surface cleaners, and vehicle cleaners such as one-step self-dry, no rinse, touchless wash. It enhances cleaning and leaves behind a durable barrier which resists the insults of hard water, soap scum, and particulate soils . Acceptable for aerosol application.	
Flexishine CP-100	Water Based Mineraloil Emuslion	Concentrated system used to create a one step cleaner, polish and protector, dries quickly, impart- ing a self-healing, durable film that repels/masks fingerprints and smudges, for use on stainless steel and other hard, non-porous surfaces, can be used between 10 - 35%.	
Mirapol [®] Surf-N HSC	Natural-Based Powder Cationic Polymer	Inovative, naturally derived and highly active polymer that boosts the performance of ordinary sur- factant-based cleaners, more hydrophilic for easier cleaning, reducing drying time. It is particularly suited to modern plastic surfaces , such as PMMA, Melamine, and polycarbonates.	
Mirapol [®] Surf-S 600	Acrylic Based Polymer	Polymer in hard surface cleaners and delivering the following benefits thorough surface modifica- tion: water sheeting, spot free, easy cleaning , anti-streak, fast drying, ong lasting , shiny effect.	
Mirapol [®] Surf-S 900	Acrylic Based Polymer	High performance surface protection polymer for use in acidic formulations such as toilet clean- ers to provide soil and scale prevention, longer lasting clean effect, easier cleaning, prevents limescale encrustation.	
Rheology Modifier	Chemical Name	Benefit	
Rheomer [®] 33T	Polyacrylate -33	Designed to provide a high thickening efficiency, suspension properties & high clarity in low-me- dium surfactant content systems.	
Rheomer® FC NAT 🖯	Guar Gum	Allows formulations of transparent surface cleaner at low usage level, compatible with hydro alcoholic solutions. RCI 82%.	
Rheozan® 🦯	Succinoglycan Gum	Stable in strong acidic & alkaline media. Enhanced adhesion to surfaces. RCI 100%.	
Rheozan® BLC 🤝	Water, Cellulose, Glycerin, Xan- than Gum, Cellulose Gum, Sodi- um Benzoate	Liquid suspension aid , improves compatibility, easily soluble, stable across a wide range of pH, doesn't impact perceived viscosity. Applications: Laundry detergents, dish wash, cleaners, suspending abrasive particles, capsules or actives. RCI <90, 100% natural, alternative to synthetic.	
Rhodameen [®] O2V/LD	PEG-2 Oleamine	Vegetal based cationic surfactant , emulsifier – thickener.	
Rhodopol [®] Extra 2 Clear	Xanthan Gum	Cost-efficient in mild acidic media, highly pseudo plastic, useful for thickening and stabilizing, fast solubilisation and processing in acidic media.	

Solvent	Chemical Name	Benefit	
Augeo® Clean Multi 🦯	Isopropylideneglycerol	Sustainable solvent with low odor, bio based derived from renewable source, excellent solubili- zation power , application cockpit cleaner.	
Augeo® Crystal (*) 🔎		Sustainable with a natural content of 66,7% , as it is obtained from the acetalization of renewable sources (glycerin). (*) vegan, feedstock soya bean, biobased	
Isopropanol	Isopropylalcohol	Dissolves a wide range of non-polar compounds, evaporates quickly , leaves nearly zero oil traces, compared to ethanol, and is relatively non-toxic, compared to alternative solvents.	

Surfactant	Chemical Name	Benefit
Aerosol [®] OT-75 E	Sodium Dioctyl Sulfosuccinate	Excellent wetting , rewetting and levelling agent, also good emulsifying and dispersing proper- ties, reducing surface tension and increasing absorbance and penetration, antistatic and softening properties.
Cepsinol [®] -es 1216/2S 🏠	Sodium Lauryl Ether Sulfate	High surface activity, high foam ability, good viscosity response, low irritation property and excellent hard-water resistance, readily biodegradable, used as primary surfactants in cosmetic products. Available in 28% and 70% concentration, high pH ⇒ preservative free. We can add preservation on request if needed.
Flexiwet™ NF	Phosphonsäure, Perfluor-C6-12-Alkyl-Derivate, Phosphinsäure, Bis (Perfluor-C6-12-Alkyl)-Derivate	Low foam, anionic fluorosurfactant with exceptional wetting properties , an excellent choice for wetting difficult to wet surfaces such as plastics, oily substrates and waxy surfaces. Stable in concentrated acids, bases, and oxidizing solutions. Functions as a defoamer in applications such as floor polishes.
Flexiwet™ WBD	Alkohole, C9-11, Ethoxyliert	Designed for cost efficient standalone use, powerful wetting and detergent properties, rapid dy- namic surface tension , penetration of oily and particulate soils use for polished granite, polished marble, travertine.
HARKE Surf Suga Fax <i><</i>	Sodium Decylglucosides Hydroxy- propyl Phosphate	100% biobased, nonpetroleum based, EO/PO Free, readily biodegradable, safe for the environ- ment and humans, mild to eyes and skin, rapid wetting, broad spectrum of pH usage, effective detergent and hydrotrope .

HARKE Surf Nate 100P <i><</i>	Sodium Hydroxypropylsulfonate Decylglucoside Crosspolymer	High foaming sulfonated surfactant based on a naturally-derived alkyl polyglucoside derivative, offers good emulsification, mildness to the skin, excellent lime soap dispersion to give the for- mulator maximum flexibility in the preparation of light and heavy duty cleaners. Stable at any pH.
HARKE Surf 100 NC 🦯	Sodium Decylglucosides Hydroxy- propylsulfonate	High foaming sulfonated surfactant based on a naturally-derived alkyl polyglucoside derivative, offers good emulsification , mildness to the skin, and excellent lime soap dispersion to give the formulator maximum flexibility in the preparation of light and heavy-duty cleaners, suitable for use in acidic formulations.
Mackam® 50 ULB 🦯 🛞	Cocamidopropyl Betaine	High active grade made from a low colour and odour, coconut feedstock , about 25% more concentrated than typical grades of CAPB, no need for a preservative, excellent stability over a broad range, compatible with both anionic & cationic surfactants. RCI 63%.
Mackam® CBS-50G 🦯	Cocamidopropyl Hydroxysultaine	Robust, high foaming surfactant, which gives excellent foam volume and stability across a wide range of pH and in high electrolyte systems. Excellent lime soap dispersion . RCI 63%.
Mackam [®] OIP-40	Sodium-2-Ethyl-Hexylimnodipro- pionate	Low foaming, salt free hydrotrope, good caustic stability, coupling agent, soluble in ethanolic and isopropanolic systems as well as water with good wetting contact angle reduction.
Mackamine® 654 🦯	Decylamine Oxide	Pure decylamine oxide that provides detergency with low to moderate foaming properties, com- patible with most surfactants, no hydrolyze in acid systems. Stable in highly alkaline products , useful in high electrolyte-containing cleaners and foamers. RCI 83%.
Mackamine® CS 🦯 🏠	Cocamine Oxide	Foaming agent, foam booster and foam stabilizer, viscosity modifier, wetting agent and deter- gent. Good chemical stability and used as a thickener in formulations containing peroxide or hypochlorite . Antistat agent, emulsifier and detergent. Recommended for use in metal cleaning, hard surface cleaners, light duty detergents and textile. RCI 86%.
Mirataine® H2C-HA 🦯	Sodium Laurimino Dipropionate	Excellent detergent, anti-static, lubricant, stabil 30% NaOH or 10% H₂SO ₄ . Compatible with Mirapol [®] SURF-S polymers it leaves no streaks, which makes it especially suitable for glass cleaners. Compatible with EU Ecolabel for All Purpose Cleaners and Cleaners for Sanitary Facilities. RCI 67%.
Rhodasurf® 6 NAT 🦯	Laureth 6	6EO ethoxylated lauryl alcohol that is produced using only vegetable sources and having 100% re- newable carbon . Used in applications such as modern cleaner as excellent emulsifiers with good detergency and wetting properties but with an outstanding sustainable profile.
Rhodapex® ESB-70 NAT 🦯 🕎	Sodium Laureth Sulfate	Ethlylene oxide is made from sugar cane and fattyalcohol from palm kern oil. RCI: 100% MB qual- ity available on request.
Rhodoclean® EFC V2 🦯	Propoxylated Ethoxylated Nopol	Excellent cleaning performances, even compared to NPE, extremely low foam behavior, replaces defoamer , decrease your cleaning time: migrates fast to the interfaces, biodegradable (> 60% after 28 days – OECD 301F)



Film & Performance Polymer	Chemical Name	Benefit
Thetaguard™ HS 3030	Substituted Alkyl Phosphate Esters, Ammonium Salts	Anionic, partially fluorinated repellent and protector. Use for hard surfaces, with little change in appearance. Excellent oil and water repellency and hold-out. Water-based with low VOC. Cannot be spray-applied.
Thetapel™ EC 40	Modified Linseed Oil	Water-based stone enhancer and protector , brings out the color in dull or chalky stone surfaces with minimal gloss. The product also seals and protects the stone surface.
Thetapel™ AM 5022	Acrylic Fluoropolymer	Solvent based repellent made with acrylic fluoropolymer, provides a repellent barrier on surfaces such as concrete, grout, saltillo, travertine, limestone, granite, marble, and slate. Both water and oil repellency benefits are provided. It can be used in solvent-based penetrating sealers and surface treatments. Fast drying. Non-VOC where t-butyl acetate is exempt. Soluble in most polar solvents. Can be spray applied.

Surfactant	Chemical Name	Benefit
Link 706	Proprietary Blend including Ethoxylated Alcohol	Readily biodegradable surfactant system that delivers low dynamic surface tension critical to opti- mum cleaning. Superior penetration and removal of oily/greasy particulate soils – ability to clean areas where agitation is restricted . Dilutes clear, which makes product easy to rinse.
Mirataine [®] JCHA	Alkylaminopropionate	Low foaming hydrotrope, exellent wetting , provides very clear rinsing and good hard water tolerance, stable over a wide range of pH, can be used in sprayed hard surface cleaners.
Rhodacal [®] LSS 92/RP	Sodium C14-16 Olefin Sulfonate	Very high foaming surfactant used in a wide range of Formulations, such as foaming toilet formulations, in low active formulations such as liquid hand soap, also recommended when special acidic stability is required, perform especially well in cold water, and in the presence of electrolyte.

Phosphate Ester of Alkylphenol Ethoxylate	Excellent low foam hydrotrope, it increases the solubility of other organic species and is a solubilizer for nonionic surfactants in alkaline formulations. Suitable for improving stability of concentrated products and reducing viscosity of concentrated products in Cleaning In Place, All purpose Cleaning and Spray cleaning formulations.
Polyoxyethylene Phenyl Phosphate Ester Acid Form	Low Foam hydrotrope (cloud point > 100 °C)
Nonionic Fluorosurfactants	Short-chain fluorochemical technology, exceptional surface tension reduction for wetting low-energy substrates such as plastic, metal and glass, nonionic character allows compatibility with all surfactant types. Low-melting, waxy solid (100% active) nonionic fluorosurfactant for use in aqueous, non-aqueous, and solvent-based formulations. Excellent water solubility makes it an ideal product to use when building "super-concentrated" formulations . Foaming product. For ease of handling a 50% aqueous version (Thetawet FS-8050) also available.
Anionic Fluorosurfactants	30% active water soluble, low foaming anionic fluorosurfactants, an excellent choice for wetting difficult to wet surfaces such as plastics, oily substrates, waxy surfaces, enhanced gloss devel-opment for smoother, more even films in finishes and polishes. Diluent water/glycol ether diethylen (EB) or ethyl glycol (DB) .
Nonionic Fluorosurfactants	Short-chain flurochemical technology, sparingly water-soluble nonionic, effective at low end-use concentration(10 - 100 ppm), offers excellent surface tension reduction. It performs well in severe thermal and chemical environments and is low foaming . Thetawet FS-8150, a 25% aqueous version, has anti-fogging properties, so can be used to impart (or even boost) anti-fog properties of things like glass cleaners.
Anionic Fluorosurfactants	Solvent-free, anionic fluorosurfactant (un-neutralized, free acid form) for use in non-aqueous (polar organic) solvent or solvent-free (solid) formulations. Low-melting waxy solid (100% active) which can reduce foaming tendency in coatings while providing powerful wetting and leveling. For easy of handling a water dispersible version (Thetawet FS-8250) is available. It is a very low foaming product, giving excellent wetting and leveling benefits.
	Ethoxylate Polyoxyethylene Phenyl Phosphate Ester Acid Form Nonionic Fluorosurfactants Anionic Fluorosurfactants Nonionic Fluorosurfactants

Additive	
Fragrances	High quality fragrances based on aromatic ingredients; oil and water-soluble, with outstanding chemical stability and long lasting odors, designed on request.
Colorants	Concentrated liquid colors for general product tinting of toiletries, cleaning products, sanitising agents, industrial formulations, household products.

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E CLEANING (ask our technical team	n for more formulations)	
	Shower cleaner	
%	Ingredients	%
1	Mirapol [®] Surf-S 600	1
0,1	Mirapol [®] Surf-N HSC	0,1
0,9	Mackam® CBS-50G	4
3	Isopropanol	2
1	Augeo® Clean Multi	1
QS pH 10	Preservative	0,05
up to 100	Citric Acid	QS pH 2 - 2,5
	H ₂ O	up to 100
	Toilet bowl cleaner	
%	Ingredients	%
0,4	Rhodameen® O2V/LD	7
0,1	Mackamine [®] LA	3
0,3	Hydrochloric Acid (30%)	10
0,3	Mirapol [®] Surf-S 900	0,8
QS pH 10	Sodium Chloride	5
1	H ₂ O	up to 100
up to 100		
	Wood cleaner	
%	Ingredients	%
3	Sodium Citrate	6
10 - 15	Flexipel SR -95HF	5
Qs	H ₂ O	up to 100
up to 100		
	% 1 0,1 0,9 3 1 QS pH 10 up to 100 % 0,4 0,1 0,3 0,3 QS pH 10 1 up to 100 % 0,3 0,3 QS pH 10 1 up to 100 % 3 10 - 15 Qs	% Ingredients 1 Mirapol® Surf-S 600 0,1 Mirapol® Surf-N HSC 0,9 Mackam® CBS-50G 3 Isopropanol 1 Augeo® Clean Multi QS pH 10 Preservative up to 100 Citric Acid H ₂ O Toilet bowl cleaner % Ingredients 0,4 Rhodameen® O2V/LD 0,1 Mackamine® LA 0,3 Hydrochloric Acid (30%) 0,3 Mirapol® Surf-S 900 QS pH 10 Sodium Chloride 1 H ₂ O Wood cleaner Mirapol® Surf-S 900 QS pH 10 Sodium Chloride 1 H ₂ O Up to 100 Vood cleaner % Ingredients 3 Sodium Citrate 10 - 15 Flexipel SR -95HF Qs H ₂ O

Kitchen cleander Cold Mix CC 7		Coloured grout protector 2 spray		
Ingredients	%	Ingredients	%	
Chalk	36	Thetaguard™ HS-3040	15	
Resaquest ECO	15	Resaquest ECO	5	
Rhodacal [®] LSS 92/RP	7	Isopropanol	5	
Rheomer® 33T	5	Preservation	0,1	
Rhodasurf® TR 8	2	H ₂ O	up to 100	
Preservative	0,2			
Fragrance Orange DEV50121	0,2			
H ₂ O	up to 100			
Multipurpose cleaner		Caustic low foam degreaser 1		
Ingredients	%	Ingredients	%	
Flexiwet™ NF	2	Rhodoclean® EFC V2	10	
Alkalizer	1	Resaquest ECO	10	•••••
Augeo® Clean Multi	1	Caustic Pearl	10	
H ₂ O	up to 100%	Mackam [®] OIP-40	8	
		Defoamer	1	
		Preservative	0	
		H ₂ O	up to 100	
Floor cleaner		Paint Pro 9		
Ingredients	%	Ingredients	%	
Rhodoclean [®] EFC V2	5	Silicon oil	36	
Bricorr [®] 288	2	Isopropanol	15	
Rhodafac® HA701	4	Flexipel Q-50	7	
H ₂ O	up to 100	Green Apple Fragrance DEV50237	5	
		H ₂ O	up to 100	

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AUTOMOTIVE CARE



Film & Performance Polymer	Chemical Name	Benefit
Flexipel Q-50	Water Based Silane Emulsion	An aqueous, water stable, reactive silane which readily dissolves in water to produce a range of benefits including antistatic, lubricity, water repellency, and scratch resistance . Reduces the coefficient of friction making polishing and wiping easier in hard surface cleaners, can be used to provide high water bead-up in drying additive for car wash.
Fleixpel SR-80	Acrylic Polymer	Aqueous polymer used to impart a hydrophilic and easy clean surface which resists soap scum build-up, hard water deposits, and oily soil. Provides spot-free drying and anti-fogging benefits in hard surface cleaners and treatments, as well as for vehicle care including DIY applications with rinse. Functions in neutral, acid, alkaline, and peroxide environments. Acceptable for aerosol application.
Flexipel SR-95 HF	Acrylic Polymer, Amphoteric Surfactants	This functionalized dispersant polymer has built-in detergent , wetting, and haze-free characteristics for use as an additive in bath & shower cleaners, hard surface cleaners, and vehi-cle cleaners such as one-step self-dry, no rinse, touchless wash. It enhances cleaning and leaves behind a durable barrier which resists the insults of hard water, soap scum, and particulate soils. Acceptable for aerosol application.
Mirapol [®] Surf-S 310	Acrylic Based Polymer	Designed for vehicle cleaning, water sheeting, spot free , anti streak, long lasting effect SELF DRY
Thetapel™ LP-600	Fluoropolymer	Leather protector which is a ready-to-use, aqueous, spreadable gel emulsion. Provides oil & water repellency , plus soil and stain restiance for leather. Easy to use, by wiping on and rubbing off, does not have artificial sheen.

Rheology Modifier	Chemical Name	Benefit
Rheomer [®] 33T	Polyacrylate -33	Designed to provide a high thickening efficiency, suspension properties & high clarity in low-me dium surfactant content systems.
Rheomer® FC NAT 🔎	Guar Gum	Allows formulations of transparent surface cleaner at low usage level, compatible with hydro alcoholic solutions. RCI 82%.
Rheozan® 🦯	Succinoglycan Gum	Stable in strong acidic & alkaline media. Enhanced adhesion to surfaces. RCI 100%.
Rheozan® BLC 🦯	Water, Cellulose, Glycerin, Xan- than Gum, Cellulose Gum, Sodi- um Benzoate	Liquid suspension aid , improves compatibility, easily soluble, stable across a wide range of pH, doesn't impact perceived viscosity. Applications: Laundry detergents, dish wash, cleaners, suspending abrasive particles, capsules or actives. RCI <90, 100% natural, alternative to synthetic.
Rhodameen® O2V/LD	PEG-2 Oleamine	Vegetal based cationic surfactant, emulsifier – thickener.
Rhodopol [®] Extra 2 Clear	Xanthan Gum	Cost-efficient in mild acidic media, highly pseudo plastic, useful for thickening and stabilizing, fas solubilization and processing in acidic media.

Solvent	Chemical Name	Benefit	
Augeo® Clean Multi 🔎	Isopropylideneglycerol	Sustainable solvent with low odor, bio based derived from renewable source, excellent solubili- zation power , application cockpit cleaner.	
Augeo® Crystal (*) 🦯		Sustainable with a natural content of 66,7% , as it is obtained from the acetalization of renewable sources (glycerin). (*) vegan, feedstock soya bean, biobased	
Isopropanol	Isopropylalcohol	Dissolves a wide range of non-polar compounds, evaporates quickly , leaves nearly zero oil traces, compared to ethanol, and is relatively non-toxic, compared to alternative solvents.	

Surfactant	Chemical Name	Benefit
Cepsinol® -es 1216/2S 🎡	Sodium Lauryl Ether Sulfate	High surface activity, high foam ability, good viscosity response, low irritation property and excellent hard-water resistance. Readily biodegradable, used as primary surfactants in cosmetic products. Available in 28% and 70% concentration, high pH ⇒ preservative free. Preservation on request if needed.
Flexiclean™ LC-200	Nonionic Surfactant	Leather cleaning concentrate which can be diluted with water for cleaning leather substrates, is pH balanced. Acceptable for aerosol application.

Link 706	Proprietary Blend including Ethoxylated Alcohol	Readily biodegradable surfactant system that delivers low dynamic surface tension critical to opti- mum cleaning. Superior penetration and removal of oily/greasy particulate soils – ability to clean areas where agitation is restricted . Dilutes clear, which makes product easy to rinse.
Link CWW	Blend	High active wash and wax concentrate, with excellent foaming and detergency. It imparts rapid beading/sheeting properties, resulting in reduced drying time/ water spotting and shine . At higher concentrations, thickens upon dilution.
Mackam® 50 ULB <i> ি</i>	Cocamidopropyl Betaine	High active grade of cocamidopropyl betaine made from a low colour and odour, cocnut feed-stock . It is about 25% more concentrated than typical grades of CAPB which makes it hostile to microbial growth, eliminating the need for a preservative. Exhibits excellent stability over a broad range and it is compatible with both anionic & cationic surfactants. RCI 63%.
Mackam [®] CBS-50G <i>></i>	Cocamidopropyl Hydroxysultaine	Robust, high foaming surfactant, which gives excellent foam volume and stability across a wide range of pH and in high electrolyte systems . Excellent lime soap dispersion. RCI 63%.
Mackam [®] DP122	Disodium Cocoiminodipropionate	High Foaming , salt free amphoteric surfactants with good detergency and corrosion inhibition. Both give very stable, dense foam.
Mackam [®] OIP-40	Sodium-2-Ethyl-Hexylimnodipro- pionate	Low foaming , salt free hydrotrope, good caustic stability, coupling agent, soluble in ethanolic and isopropanolic systems as well as water with good wetting contact angle reduction.
Mackamine® 654 🦯	Decylamine Oxide	Pure decylamine oxide that provides detergency with low to moderate foaming properties, com- patible with most surfactants, no hydrolyze in acid systems. Stable in highly alkaline products, useful in high electrolyte-containing cleaners and foamers. RCI 83%.
Mackamine® CS 🦯 🏠	Cocamine Oxide	Non Ionic surfactant providing long lasting foam and good detergency, grease removal. RCI 86%.
Rhodasurf® 6 NAT 🦯	Laureth 6	6EO ethoxylated lauryl alcohol that is produced using only vegetable sources and having 100% renewable carbon . Used in applications such as modern cleaner as excellent emulsifiers with good detergency and wetting properties but with an outstanding sustainable profile.
Rhodasurf® ESB-70 NAT 🦯 🏠	Sodium Laureth Sulfate	Ethlylene oxide made from sugar cane and fattyalcohol from palm kern oil. RCI: 100% MB quality available on request.
Rhodoclean® EFC V2 🦯	Propoxylated Ethoxylated Nopol	Great cleaner performances, excellent wetting agent, low foam, suitable for high pressure cleaning .

Additive	
Fragrances	High quality fragrances based on aromatic ingredients; oil and water-soluble, with outstanding chemical stability and long lasting odors, designed on request.
Colorants	Concentrated liquid colors for general product tinting of toiletries, cleaning products, sanitising agents, industrial formulations, household products.

Shampoo for automatic wash		Truck/bus cleaner		Neutral bike cleaner	
Ingredients	%	Ingredients	%	Ingredients	%
Cepsinol [®] -es 1216/2S	15	Mackamine [®] CS	10	Trisodium Citrate	3
Mackam [®] 50 ULB	5	Mirapol [®] Surf-S 310	4	Sodium Gluconate	0,5
Mirataine® H2C-HA	3	Mackam [®] OIP 40	5	Link 706	2
Mirapol [®] Surf-S 310	5	MGA (78% active)	2	Mackam [®] DP122	1
MGA (78% active)	5	Fragrance	Qs	MGA (78% active)	2
Citric Acid	Qs	Preservative	Qs	Sodium Bicarbonate	1
Preservative	Qs	H ₂ O	up to 100	Fragrance	Qs
H ₂ O	up to 100			Preservative	Qs
				Colourants	Qs
				H ₂ O	up to 100
Screen wash 9		Durable screen wash 1		Paint Pro 9 MOD 2	
Ingredients	%	Ingredients	%	Ingredients	%
Isopropanol	10	Flexipel Q-50	5	Isopropanol	10
Flexipel Q-50	4	Preservative	0,1	Flexipel Q-50	2
Mackamine® 654	2	H ₂ O	up to 100	Silicon oil	3
Preservative	0,1			Preservative	0,1
Colourants	0,05			Green Apple Fragrance DEV50237	0,2
H ₂ O	up to 100			H ₂ O	up to 100
Mild leather cleaning conce	ntrate	Heavy duty leather cleaning o	concentrate	Air freshener spray	
Ingredients	%	Ingredients	%	Ingredients	%
Flexiclean™ LC-200	15	Flexiclean™ LC-200	25	Flexisorb™ OD-202	5
H₂O	85	H ₂ O	75	Augeo [®] Clean Multi	2
				Fresh Line DEV 52494	0,2
				Preservative	Qs
				H,O	up to 100

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CARPET CARE



Additive	Chemical Name	Benefit
Flexisorb™ OD-202	Zinc Ricinoleate 5% Active	Optimized odor control agent for use on carpeting and upholstered surfaces. Containing stain and resoil resistant ingredients.

Builder & Chelate	Chemical Name	Benefit
Resaquest ECO	Confidential	Optimized blend of chelates. It has been specifically developed to give an ecofriendly alternative to more traditional detergent builders whilst maintaining outstanding performance. Carries no H phrases under CLP, no phosphates or phosphonates, near neutral pH value, out performs Na4ED-TA on a one-to-one basis, up to three times more effective than Na3NTA, outperforms other eco options, i.e.: GLDA and Na4IDS.

Film & Performance Polymer	Chemical Name	Benefit
Flexiclean™ CC-560G	Dispersant Polymer	Used in encapsulating carpet and upholstery cleaning formulations, enhances dry soil pick-up during vacuuming.
Flexisperse™ 220	Carpet Care Polymer	Stand-alone acid rinse: reduces yellowing and neutralizes alkalinity, prevents wick-back and browning .
Flexisperse™ 305	Anionic Polymer Detergent	Dries to a brittle crystalline residue, anti-soil redeposition , enhances stain resistance.
Thetapel™ AM 5010	Acrylic Fluoropolymer	Durable repellent & protector for broad range of substrates. Imparts oil & water repellency. Easier cleaning. Apply with trigger spray or low-pressure sprayer. Do not aerosolize.

Surfactant	Chemical Name	Benefit
Flexiwet™ NF	Phosphonsäure, Perfluor-C6-12- Alkyl-Derivate, Phosphinsäure, Bis (Perfluor-C6-12-Alkyl)-Derivate	Low foam, anionic fluorosurfactant with exceptional wetting properties , excellent choice for wetting difficult to wet surfaces such as plastics, oily substrates and waxy surfaces. Stable in concentrated acids, bases, and oxidizing solutions. Functions as a defoamer in applications such as floor polishes.
Flexiwet™ WBD	Alkohole, C9-11, ethoxyliert	Designed for cost efficient stand-alone use, powerful wetting and detergent properties, rapid dy- namic surface tension , penetration of oily and particulate soils use for polished granite, polished marble, travertine,
Mackamine® LA 🦯 🏇	Lauramine Oxide	Non lonic surfactant providing long lasting foam and good detergency, foam volume & stability, grease removal. MB on request. RCI 86%.
Mackamine® MY 🥟	Myristamine Oxide	High foam surfactant with excellent viscosity building properties and chemical stability. Particularly useful as an antistatic agent, emulsifier, foam booster and stabilizer, wetting agent. Applications include thickened bleaches, drain cleaners, toilet bowl cleaners and hard surface cleaners. RCI 88%.

Additive	
Fragrances	High quality fragrances based on aromatic ingredients; oil and water-soluble, with outstanding chemical stability and long lasting smell, designed on request.

FORMULATION*: CARPET/UPHOLSTERY CARE (ask our technical team for more formulations)				
Deo Carpet Spotter 1		Upholstery shampoo		
Ingredients	%	Ingredients	%	
Flexiclean™ CC-560G	3,5	Resaquest ECO	5	
Flexisorb™ OD-202	2	Flexiclean™ CC-560G	4	
Resaquest ECO	1,5	Flexisorb™ OD-202	3	
Fresh Linen DEV52494	0,2	Flexisperse [™] 220	0,2	
Preservative	Qs	Fresh Linen DEV52494	0,2	
H ₂ O	up to 100	Preservative	Qs	
		H ₂ O	up to 100	

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HYGIENE



Biocide	Chemical Name	Benefit
Actizone [®] F5 conc.	Concentrate (6X) for Long Lasting Antimicrobial Cleaner with Quat	Aqueous disinfectant/sanitizer formulation, 24h residual activity , highly effective against a range of microorganisms (resistant bacteria to viruses), mixture of two registered quaternary ammonium chloride ("Quat") active ingredients coupled with inert, proprietary polymer technology, provides surface antimicrobial protection against repeated microbial contamination and touches over a 24h period (until reapplication), compatible with multiple surface materials. Biocidal active ingredients for PT 2 + 4 under EU Biocidal Products Directive
Chlorhexidine Digluconat 20% Solution	1,1-Hexamethylenbis[5-(p-Chlor- Phenyl)Biguanide]di-D-Gluconate	Biocidal active ingredients for PT 1,2,3 under EU Biocidal Products Directive, positively charged -> reacts with the negatively charged microbial cell surface, thereby destroying the integrity of cell membranes, penetrates into the cell and causes leakage of intracellular components leading to cell death.
Eureco™ RP103, LX17, LX5	Phthalimido Peroxycaproic Acid	Delivers outstanding bleaching, disinfecting and deodorizing effect in low temperature fabric washing, notified and registered in the list of active ingredients of the 'Biocide Products Regulation' with relevance to the following product types: PT 1 + 2
UniBlue® UDF2 <i> </i>	Blend of Lactic Acid, Tartaric Acid, Peppermint Oil, Lavender Oil	Hard Surface Disinfection fluid to clean and disinfect in 2 steps: 1. cleaning, 2. dfisinfecting, not classified , yet highly effective, Simplified Authorisation (EU) PT 1,2,3 for all kind of non-porous hard surfaces, effective against bacteria (gram-positive and gram-negative), viruses (enveloped and non-enveloped), mycobacteria, yeast.

Rheology Modifier	Chemical Name	Benefit
Jaguar® HP-120 🦯	Hydroxypropyl Guar	Renewable polymer extracted from the guar bean, displays rapid hydration effect in hydro alcohol- ic solutions without the need for neutralization, will tolerate up to 90% Ethanol or Isopropa- nol , provides homogeneous translucent formulations. Inclusion level – circa 1 - 1,5%. RCI 71%.
Jaguar® HSG <i> </i>	Hydroxypropyl Guar	Compatibility with very high alcohol contents, provides homogeneous clear formulations even at 75% alcohol contents, natural based with an RCI of 71% . With all types of active quats, from pH 4 to pH 9 and with standard emollients. Inclusion level – circa 1 - 1,5%.
Rheomer [®] 33T	Polyacrylates-33	Easiliy dispersible liquid HASE-polymer which will give viscosity upon neutralized, pH above 6,5 will give clarity, will tolerate up to 70% ethanol or isopropanol . Inclusion level: circa 4 - 6%.
Rheozan® BLC 🦯	Water, Cellulose, Glycerin, Xan- than Gum, Cellulose Gum, Sodi- um Benzoate	Liquid suspension aid , improves compatibility, easily soluble, stable across a wide range of pH, doesn't impact perceived viscosity. Suspending abrasive particles, capsules or actives. RCI < 90, 100% natural, alternative to synthetic.

Solvent	Chemical Name	Benefit	
Augeo® Clean Multi 🦯	lsopropylideneglycerol	Sustainable solvent with low odor, bio based derived from renewable source, excellent solubili- zation power , application cockpit cleaner.	
Augeo® Crystal (*) <i> </i>		Sustainable with a natural content of 66,7% , as it is obtained from the acetalization of renewable sources (glycerin). (*) vegan, feedstock soya bean, biobased	
Isopropanol	lsopropylalcohol	Dissolves a wide range of non-polar compounds, evaporates quickly , leaves nearly zero oil traces, compared to ethanol, and is relatively non-toxic, compared to alternative solvents.	

Surfactant	Chemical Name	Benefit
Mackadet® 40-K 🔎 🍥	Potassium Cocoate	High foaming naturally derived surfactant, ideal for liquid hand soaps . Also good lubricant for e.g. conveyor systems.
Mackol® CAS-100/N 🦯 🏠	Sodium Coco Sulfate	Derived from coconut oil, alternative to SLS. Easily dispersed in water, excellent lathering and thickening of formulations. Some conditioning properties . RCI 100%.

	FORMULATION*: HYGIENE ((ask our technical tean	n for more formulations)
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Hand sanitizer formulation I		
Ingredients	%	Process
Jaguar® HSG	1,2	Step 1: Disperse Jaguar [®] into deionized water under stirring until
Isopropanol	75	fully disperse (phase A)
Citric Acid	QS to pH 4	Step 2: Weight 20 part ethanol and add around 8 drops citric acid (50% water solution) into it. Then add the solution into
H ₂ O	up to 100	Phase A under stirring until homogeneous. A transparent gel will be obtain at this step.
		Step 3 : Slowly add rest 55 part ethanol to the gel obtained in step 2, and keep stirring until sample is homogenous.
		Step 4: Add citric acid solution to reach pH target.
		Step 5: Check the final pH and viscosity, at 21 °C (Brookfield RV- p 4-10rpm) 5,000-6000cP.

Hand sanitizer formulation II		
Ingredients	%	Process
Rheomer [®] 33T	11	Step 1: Mix the Ethanol with water.
Isopropanol	62	Step 2: While stirring, add Rheomer.
Caustic Soda	1,5	Step 3: While stirring, and the neutralizer such as NaOH or
Glycerin	3	Stop 4: Check the final pH (around 7) and viscosity at 21 °C
H ₂ O	up to 100	(Brookfield RV- p 4-10rpm) 5,000-6000cP

Hygiene Bar soap			
Ingredients	%	Process	5
Mackadet [®] 40-K	4,5	Step 1:	Mix all ingredients together. Heat to 85 °C with slow
Mackol® CAS-100/N	10	<i>.</i>	agitation until everything is dissolved.
Decyl Glucoside	20	Step 2:	Stop agitation, let bubbles rise. Pour into molds, cool and remove.
Glycerin	27		
Stearic Acid, 95%	18		
Caustic Soda	4,5		
1,3-Propanediol	16		

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Our Commitment To Sustainability

We take responsibility for our actions as part of our promise to care for both people and the environment. Our sustainability targets focus on crucial issues such as safety, health and environmental protection, resource efficiency and legal compliance. We are proud on the passion of our employees for the topic of sustainability and provide full management support. As a consequence, a dedicated sustainability task force was put in place with the goal to define yearly targets incl. correspond-ing assessment tool, to build a comprehensive report and to transfer it into the daily HARKE business processes, company culture and inter-faces with our partners. Let's further grow sustainability together!

Compliance

Legal compliance is a foundation for our activities. In order to meet the requirements of relevant legislation, we have established a long-standing team of experts in various fields (e.g. REACh, GHS/CLP, Dangerous Good Transport, regulations related to Biocidal, Detergent, Cosmetic, Pharmaceutical and Food products). Through intensive training of our employees, we ensure careful, safe and responsible handling of our products to protect people and the environment. We support both our customers and suppliers in implementing these regulations to ensure safe and compliant handling of our products along the entire supply chain.

Quality

The continuous improvement of the quality of our products, services and processes is an essential part of our corporate policy. We aim to not only meet but also exceed the expectations of our partners. We have implemented and certified quality management systems in all relevant areas:



DIN EN ISO 9001 Basic of our quality management *****



DE-ÖKO-039 (EU/non-EU Agriculture) Raw materials from organic farming



Responsible Care Responsible handling of chemicals beyond legal requirements



IFS-HPC2-Certification High quality requirements in production mean safe products for the consumer



HARKE Chemicals GmbH

Responsibility

We take responsibility for our actions as part of our promise to care for both people and the environment. For more than 20 years we have been actively participating in the Responsible Care Initiative supported by VCH, FECC and ICTA in the areas of product responsibility, plant safety, occupational health and safety, environmental protection, transport safety and dialogue with the public. Furthermore we are committed to the FECC Ethical and Business Principals.

Products by Categories A - Z

ADDITIVES	
	0, 11, 10
Flexisorb™ OD-120ZnR	8, 11, 19
Flexisorb™ OD-202	8, 35, 36, 37
Flexisorb™ OD-300	8, 24
Flexisorb™ OD-500	8, 20
Flexisorb™ OD-P	8
Mackadet [®] OPR 2	15, 18
ERCAPEARL 500	15, 18
BASIC CHEMICALS	
Caustic Pearl	31
Caustic Soda	23, 30, 40
Citric Acid	14, 17, 23, 30, 35, 40
Glycerin	40
Sodium Bicarbonate	35
Sodium Carbonate	14, 23
Sodium Sulfate	14, 23
BIOCIDES	
Actizone [®] F5 conc.	38
Chlorhexidine Digluconat 20% Solution	38
Eureco™ LX5 or LX17	38
Eureco™ RP103	38
UniBlue® UDF2	38
BLEACHING AGENTS	
Eureco™ LX5	18
Eureco™ LX17	21
Eureco™ RP103	12, 14, 18, 23
Oxyper [®] SCS, SCM	12, 14, 18
TAED	12, 14, 18

BUILDERS & CHELATES	
ADPA	13, 14
Bricorr 288	24, 31
DETPMP	19
Flexisperse™ 450N	13, 14, 19
Flexisperse™ 875	19
Nabion™ 15	12, 19
Nabion™ 26	12, 14, 19, 23
Resaquest ECO	19, 24, 30, 31, 36, 37
FILM & PERFORMANCE POLYMERS	
Flexiclean™ CC-560G	36, 37
Flexipel™ HR-C400	21
Flexipel Q-50	24, 31, 32, 35
Flexipel SR-80	15, 25, 32
Flexipel SR-95 HF	25, 32
Flexishine CP-100	25
Flexisperse™ 220	36, 37
Flexisperse™ 305	36
Mirapol [®] Surf-N HSC	25, 30
Mirapol [®] Surf-S 310	32, 35
Mirapol® Surf-S 480 PF NP	13
Mirapol® Surf-S 600	15, 17, 25, 30
Mirapol® Surf-S 900	25, 30
Mirapol [®] Surf-S P free power NP	13
Repel-O-TEX [®] Crystal	19, 23
Repel-O-TEX [®] SF2	19
Repel-O-TEX [®] SRP6	19
Thetaguard™ HS 3030	28, 30
Thetapel™ AM 5010	21, 36
Thetapel™ AM 5022	21, 23, 28
Thetapel™ EC 40	28
Thetapel™ LP-600	32

RHEOLOGY MODIFIERS	
Aqua-Sol C610	10, 11
Cellogen	10
Jaguar® HP 120	10, 39
Jaguar [®] HSG	10, 39, 40
Rheomer [®] 33 T	10, 20, 25, 31, 33, 39, 40
Rheomer [®] FC NAT	20, 25, 30, 33
Rheozan®	25, 33
Rheozan [®] BLC	13, 15, 20, 25, 33, 39
Rhodameen [®] O2V/LD	25, 30, 33
Rhodopol® Extra 2 Clear	13, 20, 25, 33
SOLVENTS	
Augeo® Clean Multi	9, 11, 22, 26, 30, 31, 33, 35, 39
Augeo [®] Crystal	9, 22, 26, 33, 39
Isopropanol	9, 22, 23, 26, 30, 31, 33, 35, 39, 40
Rhodiasolv [®] Infinity	22
SURFACTANTS	
Amphoterics	
Mackam [®] 50 ULB	16, 17, 27, 34, 35
Mackam [®] CBS-50G	27, 30, 34
Mackam [®] DP122	34, 35
Mackam [®] LSB-50	16
Mackam [®] OIP 40	9, 11, 27, 30, 31, 34, 35
Mirataine® H2C-HA	27, 35
Mirataine® JC-HA	28, 30
Anionics	
Aerosol® OT-75 E	26
Cepsinol [®] -es 1216/25	16, 20, 26, 33, 35
Geropon® T 77	20, 23
HARKE Surf 100 NC	16, 27
HARKE Surf Nate 100P	16, 27
HARKE Surf Suga Fax	16, 26
Mackadet [®] 40-K	39, 40

Macksol CAS-100	39, 40		
Rhodafac® H66	29		
Rhodafac® HA70	29		
Rhodacal® LSS 92/MRP	16, 17		
Rhodacal® LSS 92/RP	28, 31		
Rhodapex [®] ESB-70 NAT	16, 17, 20, 23, 27, 34		
Cationics	,.,.,.,.,.,.,.,		
Flexistat™ WR-152	22		
HARKE Surf SME	8, 11		
Fluoros	·		
Flexiwet™ NF	26, 30, 31, 37		
Thetawet™ FS-8000/8050	29		
Thetawet™ FS 8100/8150	29		
Thetawet™ FS-8020EB/8020DB	29		
Thetawet™ FS-8200/8250	29		
Nonionics			
Antarox [®] L62	13		
Antarox [®] L64	13		
Antarox [®] LF 54	13, 14		
Alkamuls® CRH 40	9, 11		
ERCASORB MSE V/FD	9		
Flexiclean™ LC-200	33, 35		
Flexiwet™ WBD	26, 37		
HARKE Surf APG 4	13		
HARKE Surf Muls D6	9, 11		
Link 706	28, 34, 35		
Link CWW	34		
Mackamine [®] 654	16, 27, 34, 35		
Mackamine [®] CAO E-36	16, 17		
Mackamine [®] CS	27, 34, 35		
Mackamine [®] LA	16, 17, 20, 30, 37		
Mackamine [®] MY	20, 37		
Rhodoclean® EFC V2	27, 30, 31, 34		
Rhodasurf [®] B7	20		
Rhodasurf® 6 NAT	20, 23, 27, 30, 34		

Our Partners & Products

Our raw materials enable your detergents and disinfectants to fight dirt, scale and bacteria effectively and make cleaning for your customers in household easy. We have a large product portfolio of certified raw materials and additives. Our products are used in the production of many different detergents and disinfectants: Starting from washing powders, dish washing liquids and multi purpose cleaners up to the production of special detergents. Whether shining bright, streak free gleaming or absolutely clean – we deliver high quality products for clean results. Our raw materials provide that your clean care product will not give scale, soil and bacteria any chance, making cleaning a lot easier for the users household.

Our experience combining the expectations of our Principals with the needs of our customers means that we have a focused list of products, from hand-picked principals, ideally suited to the possible applications of our customers. This helps us to offer the outstanding and well-known HARKE service level!

Chemlink Specialities HARKE GROUP Specialities	Cosmetic Ingredients Emulsification/Pearlizing	HARKE Chemicals
Dynamic company offering an application and formulation led approach to chemical distribution.	Reach selection of emollients, emulsifiers, solubilizing agents, giving factors, humectants, emulsion stabilizers and foam boosters.	Our own brand to offer solutions for formulation challenges.
• Link	ERCASORB ERCAPEARL	• HARKE Surf
Builder	innovative chemical technologies, inc Odor Absorbs, Carpet Care	Kandelium Percarbonate
• •	Color Absorbs, Carpet Care Expert in surface modification technologies. Active in different market segments as household, hard surfaces, carpets and many more.	

chlorhexidine	The European Detoamer Specialist Rheologymodifier	Fragrances Ecolabel Compliant
One of the world's most respected independent active pharmaceutical Ingredients (APIs) suppliers headquartered in Barcelona, Spain.	Focus on biopolymers with unique thickening properties offering considerable formulation flexibility and facilitating finished-product ease in use for the consumer.	Creator and manufacturer of high quality fragrances and aromatic ingredients.
Chlorhexidine digluconate 20 %	• Rhodopol®	Fragrances
Surfactants	Souvor Coatis – Solvent	Source Novecare – Surface modifier
Product portfolio consist of oleochemicals fully drived from vegetable raw materials such as palm kernel oil (PKO) and otherpalm oil fractions.	Leader in the production of solvents, phenol and derivatives in Latin America and one of the global leaders in oxygenated solvents.	World number one producer of specialty surfactants. A major player in polymers, amines, guar, and phosphorus derivatives.
• CepSinol®	• Augeo®	 Mirapol[®] Surf-S Repel-O-Tex[®] Rheomer[®] Jaguar[®] HP
Peroxides – PAP	UniBlue® Innocent disinfection Biocide	VERDANT Surfactants
Supplying the chemical industry with a wide range of Peroxide solutions.	WipingSystems ApS develops and produces new biocidal product complying with ECHA Simplified Authorization.	Leading provider of surfactants and specialty chemicals for the personal care, home and hygiene, and industrial markets.
• Eureco™ • Ixper [®]	• UniBlue®	Mackam [®] Mackamine [®] Mirataine [®]



WHY HARKE

HARKE

GROUP

MERA OBSCU

Why HARKE

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one group of 16 companies 17 offices worldwide 7 divisions 25 business units 15 diverse service functions 4 laboratories 2 production sites over 220 employees working with 35 industries in more than 63 countries on 4 continents with over 3,000 customers and more than 40,000 deliveries per year

ss units nployees r chemicals r Pharma Food **countless opportunities for a success**

Imaging Services



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10 reasons to collaborate with HARKE

relevant portfolio long-standing business relationships growing company group excellent technical know-how responsible partner fast action sustainable enterprise digitization stable management passionate people

ful and future-oriented collaboration

HARKE HomeCare, I&I, AutomotiveCare





