



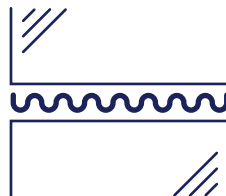
Product Range

Adhesives & Sealants

KRAHN

Your high-performance partner for specialty chemicals.

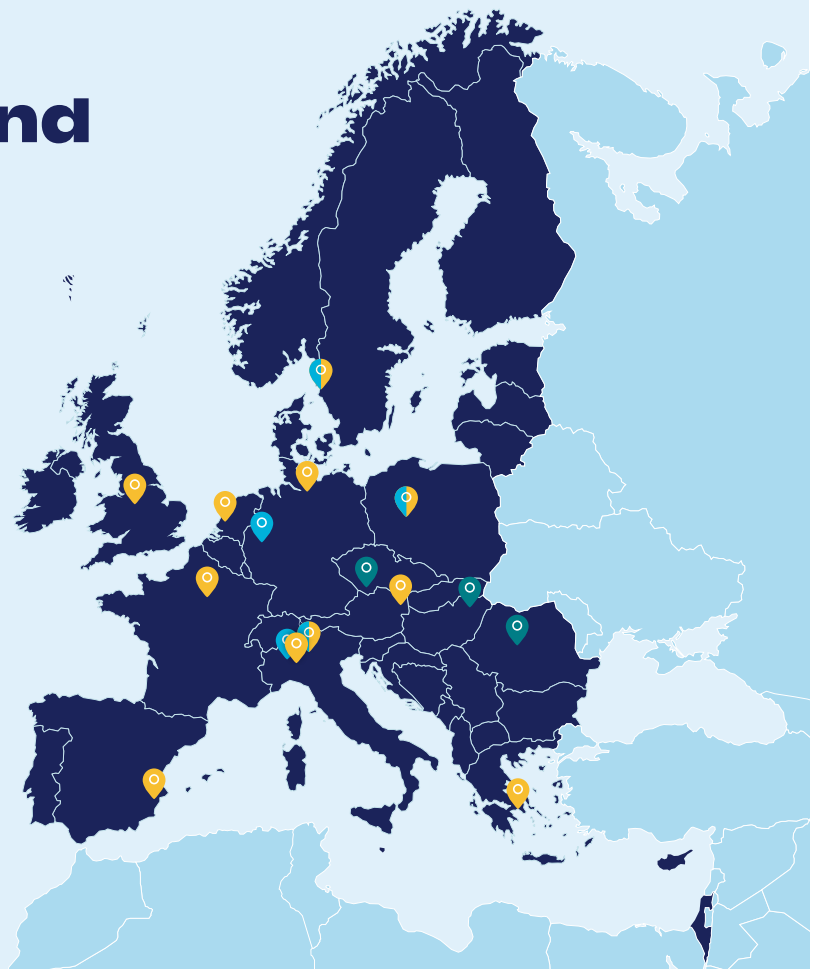
We are a leading independent chemical business providing sales, marketing and distribution services and are recognized world-wide for our technical expertise and high-quality product portfolio as well as in-house laboratory support. Everything we do is with passion and commitment and always with an eye on the best possible outcome.



Adhesives & Sealants

Our locations

Thinking global and acting local



KRAHN Subsidiaries

- Hamburg
- Zaandam
- Milan and Berbenno
- Poznań
- Avon
- Athens
- Gothenburg
- Sandbach
- Aspe
- Vienna

Sales offices

- České Budějovice
- Tiszaújváros
- Sibiu

Laboratories

- Bottrop
- Poznań
- Gothenburg
- Lainate and Berbenno

Warehouses

Many warehouses across Europe, also with possibilities for bulk breaking

Additives

Product Group	Product Name	Producer	Product Description
Biocides (Film preservation)	Preventol® Metasol® Bioban™ Rocima™	Lanxess	Extensive range of film preservatives for protection against algae, fungi and lichens for interior and exterior applications.
Biocides (In-can preservation)	Preventol® Rocima™ Kathon™	Lanxess	Extensive range of in-can preservatives for improvement of the shelf life of aqueous products, as well as for cleaning of production plants.
Cationic surfactants	Ethomeen®	Nouryon	Fatty amine ethoxylate.
Cellulose esters	Eastman™ CA	Eastman Chemical	Cellulose acetate types with different degrees of acetylation and viscosity for solvent-borne high solids and UV-curable systems.
	Eastman™ CAB	Eastman Chemical	Cellulose acetates butyrate. Additives for reduced dry time, improved flow and levelling, sag control, redissolve resistance, hot melts, high solids and UV-curable systems.
	Eastman™ CAP	Eastman Chemical	CAP properties are intermediate between CA and CAB. They resemble CAs in many performance properties but with improved solubility and compatibility. Like acetates, CAPs have low odour and can be used where that is a requirement.
Coalescing agents	Eastman Texanol Optifilm™ Enhancer 300 Optifilm™ Enhancer 400	Eastman Chemical	Coalescing agents for aqueous coatings and emulsion paints, plasters as well as for all water-borne systems. Appropriate for many architectural applications, it is particularly suited for low odour flat and low sheen wall paints. Excellent retarder solvent and compatible with a variety of resin systems.
Diols	EH Diol	Gulf Chemical International	2-ethylhexanediol-1,3 as chain extender and modifying agent for PU systems.
Functional amines	Advantex Vantex T	Eastman Chemical	Functional amine additive for water-borne systems. Optimizes pigment dispersions capabilities, improves early water resistance and supports flash rust inhibition. Enables overall formulation optimization.
Non-ionic surfactants	Berol®	Nouryon	Versatile wetting and dispersing agents. Non-ionic alcohol ethoxylates/alkoxylate. Non VOC grades available.
	Ethylan®	Nouryon	Versatile wetting and dispersing agents. Non-ionic alcohol ethoxylates. Non VOC grades available.
	Witcamide®	Nouryon	Fatty amide non-ionic surfactant for solvent borne adhesives
Photo initiators	Chemacure	UV Chem-Keys	UV-Photo initiators to initiate polymer reaction in radiation curing systems.
Rheology modifier	Bermocoll®	Nouryon	Cellulose ethers provide increased water retention, improved consistency and control rheology to provide sag resistance.
	Laviothix	Laviosa	Used for emulsions, sealants, and other water-borne systems. Provide enhanced thickening, thixotropic and anti-settling properties, preventing sedimentation of suspended particles; also sag control and storage stability are increased.
	Argimel	Laviosa	Rheological additives that provide thixotropy, anti-settling and anti-sagging properties within solvent based systems.
	Hi-Sil	QEMETICA NL Silica	Hi-Sil products enable adhesives and sealants manufacturers to achieve required performance, application and rheology properties quickly and cost-effectively. They also can replace fumed silicas in some applications.
Thickening agent	Hi-Sil	QEMETICA NL Silica	Hi-Sil products enable coatings, adhesives and sealants manufacturers to achieve required performance, application and rheology properties quickly and cost-effectively. They also can replace fumed silicas in some applications.

Adhesion Promoters

Product Group	Product Name	Producer	Product Description
Chlorinated, solvent- or water-borne	Eastman™ CP	Eastman Chemical	Chlorinated, solvent- or water-borne adhesion promoters for adhesives applied on plastic parts (PP, PE, TPO).
Chlorinated, water-borne	Eastman™ Advantis	Eastman Chemical	Chlorinated, water-borne adhesion promoters for adhesives applied on plastic parts (PP, PE, TPO).
Non-chlorinated adhesion promoters	Eastman™ AP	Eastman Chemical	Non-chlorinated adhesion promoters for adhesion of solvent-borne plastic adhesives (TPO, PP).
Sulfopolyester polymers and dispersions	Eastek™	Eastman Chemical	Sulfopolyester polymers and WB dispersions with excellent performance characteristics (grain rising, clarity, drying speed, etc.) to enhance and improve water-borne systems for industrial applications.

Fillers

Product Group	Product Name	Producer	Product Description
Kaolin	KaMin® Polyfil	KaMin	KaMin kaolin clays are aluminium silicates available in treated and untreated form to improve water and air barriers, replace TiO ₂ .
Microspheres	Expancel	Nouryon	Expancel expandable microspheres are small spheres encapsulating a gas. When heated, they will dramatically increase in volume. Expancel is available unexpanded and expanded both wet and dry. It can be used as a blowing agent, weight reducer and property improver in many different applications. The expansion capacity and low density along with a closed cell structure and excellent compressibility give benefits to numerous other products.
Pentaphenyl-cyclopentadienyl	ENDOFOAM	Hebron	Advanced additives engineered to enhance foaming to provide debonding effect.
Precipitated silica	Lo-Vel	QEMETICA NL Silica	Lo-Vel flattening agents are suitable for a wide range of coatings film thicknesses. Wax-treated flattening agents improve dispersion stability and anti-settling behaviour in mostly polar solvent- and water-borne systems.
Silane-modified precipitated silica	Hi-Sil	QEMETICA NL Silica	Hi-Sil functionalized silica is a synthetic amorphous precipitated silica with a proprietary surface treatment. This product is designed for use in traditional water-borne and solvent-borne systems, as well as high-solids ultraviolet-cure (UV-cure) systems.

Flame Retardants

Product Group	Product Name	Producer	Product Description
Aluminium trihydrate	ATH	LKAB Minerals	Aluminium trihydrate, also known as aluminium trihydroxide or alumina trihydrate, is derived from bauxite ore. This natural ore is refined to a fine white powder. After washing and drying it is used as the feedstock for a wide range of alumina chemicals.
Halogen Free Flame Retardants	SP-100	Hebron	A halogen-free, phosphazene-based flame retardant with high phosphorus content. It offers excellent thermal stability, hydrolysis resistance, and low electrical degradation, making it ideal for epoxy composites, printed circuit boards, engineering polymers, polycarbonate systems and 3D printing applications.
HydroMagnesite huntite	UltraCarb	LKAB Minerals	UltraCarb is a halogen free fire retardant produced from natural deposits containing two minerals: hydromagnesite and huntite. This unique mineral combination is known as HMH.
Phosphate esters	Santicizer® Santicizer® Plus	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are non-halogenated with high plasticizing efficiency, great compatibility in multiple polymer systems and fast fusion in PVC applications. Now available in TPP < 0.1% versions with Plus series.

Pigments

Product Group	Product Name	Producer	Product Description
Pigment dispersions	Temacolor™	Vibrantz	VOC- and APEO-free colorants for tinting of various adhesives and sealants.
	Hydrasperse™	Vibrantz	VOC- and APEO-free colorants for tinting of various water-borne adhesives.
	Plasticolors	Vibrantz	Colorants for tinting and in-plant tinting of various adhesives and sealants.

Plasticizers

Product Group	Product Name	Producer	Product Description
Addipates	Cereplas DOA, DIDA, DTDA	Valtris Specialty Chemicals	Adipate esters used in grease formulations due to biode-gradability and low temperature performance.
Benzoates	Jayflex™ MB 10	ExxonMobil Chemical	Benzoate based plasticizer which is applied in PUR sealants, acrylic based adhesives, MS-polymer based, water-borne adhesives, silane-terminated systems and is used as an alternative for critical short-chain esters.
Benzyl phthalates	Santicizer®	Valtris Specialty Chemicals	Phthalate based plasticizers, combining the following properties: Low volatility, excellent extraction resistance and a good compatibility with a wide variety of resins.
Bio-based primary plasticizer	Santicizer® Platinum G-2030 Platinum G-3000	Valtris Specialty Chemicals	Santicizer® biobased engineered for both general-purpose use and fast-fusion requirements. These soy-based plasticizers provide exceptional heat stability, enhanced processability, and ultra-low volatility; with superior exudation resistance and efficient fusion properties.
Citrates	CRANE® PL-11001	KRAHN Chemie	Bio-based plasticizer. Good compatibility with other polymers. It is applied in products with food contact.
Cyclohexonoates	Santicizer® Platinum P-330 Platinum® P-1400 Platinum P-1700	Valtris Specialty Chemicals	Phthalate free and fast fusing plasticizer which shows a high compatibility and efficiency, and performs by high permanence and low water solubility. Recommended for many applications, like plastisol, foam, sealant, calendering, extrusion and films.
Phosphate esters	Santicizer® Santicizer® Plus	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are non-halogen with high plasticizing efficiency, great compatibility in multiple polymer systems and fast fusion in PVC applications. Now available in TPP <0.1% versions with Plus series.
Phthalates	Chemflexx 911P	The Chemical Company	Low volatile linear C9 and C11 alcohol based phthalate plasticizer. Due to its outstanding weather resistant properties and general good permanence especially suitable for outdoor and durable applications.
	Jayflex™ DINP DIDP	ExxonMobil Chemical	High molecular special plasticizer for adhesives and sealants. Due to its low fogging values and high migration resistance Jayflex™ DINP and DIDP are used in automotive applications, e. g. car interior. Jayflex™ DINP and DIDP are applied in wide range of polymer systems.
	Jayflex™ DIUP	ExxonMobil Chemical	High molecular special plasticizer for adhesives and sealants. Due to its low fogging values and high migration resistance Jayflex™ DIUP is used in automotive applications, e. g. car interior. Jayflex™ DIUP is applied in PUR and PVC polymer based systems.
	Jayflex™ DTDP	ExxonMobil Chemical	Very high molecular special plasticizer for adhesives and sealants. Due to its very high molecular weight and the outstanding low volatility, Jayflex™ DTDP is recommended for high temperature and high voltage applications.
Sebecates	Cereplas DOS, DIDS	Valtris Specialty Chemicals	They offer outstanding low-temperature properties, making them ideal for extreme cold environments, while maintaining high resistance to migration and volatility for applications requiring flexibility, thermal stability, and durability.
Terephthalates	Cereplas 100XS	Valtris Specialty Chemicals	Standard plasticizer, suitable for sensitive applications with direct food contact as well as in the toy industry and for leisure products.
Trimellitate	Jayflex™ L9TM	ExxonMobil	Offers superior thermal stability, exceptional cold temperature flexibility, outstanding extraction and migration resistance, and low fogging performance, making it an ideal choice for demanding applications such as meeting Automotive Cable Class C requirements (3000 h at 125°C), while its low viscosity enhances processability. Due to the low migration it also improves stability.

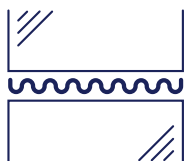
Resins and Hardeners

Product Group	Product Name	Producer	Product Description
Epoxy hardeners	ECA 100 NC	Dixie Chemical Company	Blend HHPA/MHHPA/MTHPA, epoxy curing agent to form highly cross-linked polymers with excellent physical (UV and alkaline resistance) and electrical properties.
	HHPA	KRAHN Chemie	Hexahydrophthalic anhydride, a solid high purity anhydride suitable for epoxy resin curing
Hydrosols	Aldepol H 35 Aldepol H 35 Zero	Imparat	The excellent penetration properties make ALDEPOL H-35 well suitable for primers free of plasticizers and solvents. Primers based on ALDEPOL H-35 are in use on absorbent surfaces such as gypsum, asbestos cement, plaster, concrete as well as on sandy mineral surfaces.
Polyurethane modifiers	PTMG BioPTMG	Mitsubishi	A linear polyether glycol with hydroxyl groups on both ends. It easily reacts with isocyanate compounds (e.g., MDI, TDI) and generates polymers with superior characteristics such as high impact resilience, flexibility at low temperatures, tear resistance, hydrolysis resistance, abrasion resistance, and fungus resistance. Available in a bio-based version.
	BENEBIOL	Mitsubishi	Biobased polycarbonatediol with superior properties. It can be used for different polyurethane applications with superior performance such as artificial leather, elastomers, paints and coatings.
Polyvinylbutyral resins	Butvar®	Eastman Chemical	Polyvinyl butyral resin could be used in structural adhesives to give the highest shear strength values at temperatures up to 120°C, also an excellent base for hot melt adhesives even where difficult-to-bond surfaces are involved.
Pure acrylics	Aldepol RA Aldepol RA Zero	Imparat	Imparat Aldepol pure acrylics are aqueous dispersions based on acrylic acid ester free of APEO. Now available in a biocide-free option.
SAIB (Sucrose acetate isobutyrate)	Eastman™ SAIB	Eastman Chemical	Modifying resin, SAIB can yield adhesives of higher non-volatile content, resulting in lower solvent requirements and greater coverage. In many cases, film adhesion improves.
Saturated co-polyester modifying resin	Vittel	Bostik	Excellent reactivity with isocyanate curatives, improves substrate wetting at higher solid content.
Saturated co-polyester resins for extrusion	Vittel	Bostik	Very strong adhesive and cohesive strengths on various substrates, wide range in MW available.
Saturated co-polyester resins for laminating	Vittel	Bostik	Flexible polymers with good adhesions for low to high activating temperatures. Good flexibility with high elongation and moderate tensile values.
Specialities styrene acrylics	Aldepol SAS Aldepol SAS Zero	Imparat	Imparat Aldepol special styrene acrylics are aqueous dispersions based on acrylic and styrene, silane modified, free of APEO. Now available in a biocide-free option. Aqueous dispersions of vinyl acetate and acrylates or versatic acid vinyl ester. Now available in a biocide-free option.
Sulfopolyester polymers	Eastek™	Eastman Chemical	Sulfopolyester polymers with excellent performance characteristics (grain rising, clarity, drying speed, etc.) to enhance and improve water-borne systems for industrial applications.
Vinyl acetate co-polymers	Aldepol VAA Aldepol VAA Zero	Imparat	Aqueous dispersions of vinyl acetate and acrylates or versatic acid vinyl ester. Now available in a biocide-free option.

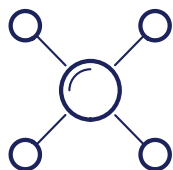
Solvents

Product Group	Product Name	Producer	Product Description
Coalescing agents	Eastman™ EEH	Eastman Chemical	Slow-evaporating, low-water-miscible glycol ether solvent that enhances the adhesion, flexibility.
Ester alcohol	Eastman Texanol™	Eastman Chemical	Coalescents for dispersions, retarder solvents to extend the open-time, low vapor pressure.
Ketones	Eastman™ MAK MIAK	Eastman Chemical	Ketones with high solvency power, slow evaporation rate, low density and surface tension, high boiling point.
	Eastman™ MPK	Eastman Chemical	Active solvent for most synthetic resins including acrylics, polyesters, cellulose, epoxies, vinyls and alkyds.

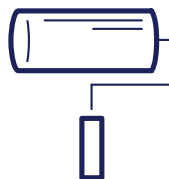
Industries



**Adhesives &
Sealants**



**Chemical
Intermediates**



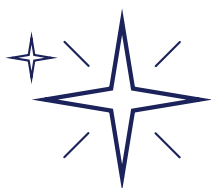
Coatings



Construction



**Heat Transfer
Fluids**



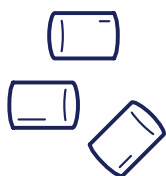
**Industrial Cleaning &
Home Care**



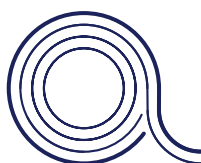
**Lubricants &
Fuels**



**Personal
Care**



Plastics



Rubber

Produkt Disclaimer

1. Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. However, this information is given without obligation and does not exempt the buyer from carrying out own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The buyer is solely responsible for the application, utilization and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party. Any exception of the above-mentioned restrictions requires the manufacturer's express release in writing.
2. The products sold and/or supplied by us are not destined for the manufacture (i) of medical devices according to EU directive 93/42/EEC, in particular of implants, (ii) of biocides, (iii) of pesticides, (iv) of human and veterinary pharmaceuticals, (v) of food and feed products, (vi) of cosmetics, (vii) of weapons or other objects, designed to take human life or causing injuries.
3. At all times our Conditions of Sale apply.
4. Our product lists include dangerous goods. The correct marking of such goods is described in the respective datasheets.

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**Bring it
together!**



KRAHN Chemie brings
together all the elements
designed to create strong
added value: markets with
innovations, processors with
producers and questions
with answers.

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