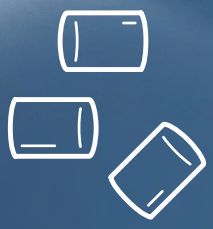
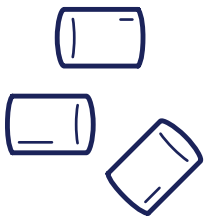


Product Range
Plastics

KRAHN

Your high-performance partner for specialty chemicals.

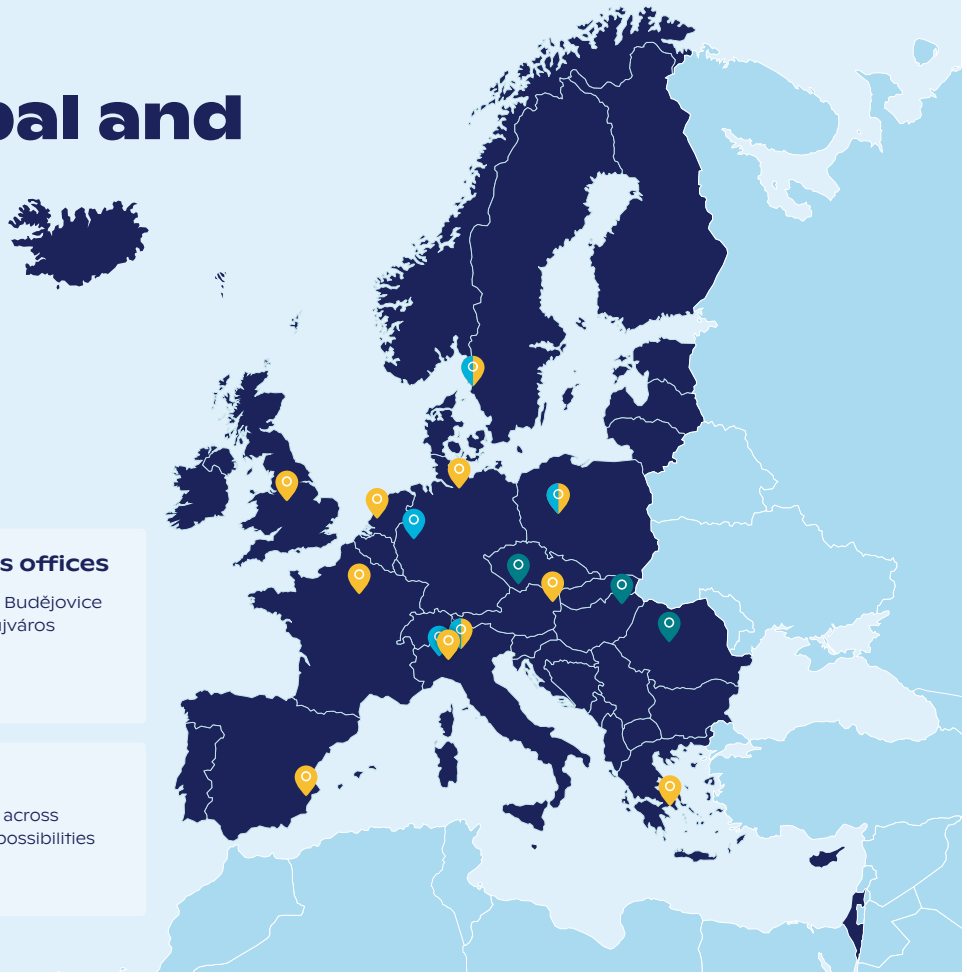
We are a leading independent chemical business providing sales, marketing and distribution services and are recognized world-wide for our technical expertise and high-quality product portfolio as well as in-house laboratory support. Everything we do is with passion and commitment and always with an eye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



Plastics

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
Polymer modifiers	**SCONA®**	BYK-Chemie	Chemically modified polymers (POE, PE, PP, PLA, SEBS etc.) used as coupling, compatibilizing and impacting agents modifier. SCONA products are characterized by a very high level of modifier and can be used in low dosages in a wide range of polymeric systems: PA, PET, PLA, TPE-S and polyolefins (WPC, PP glass fiber).
Processing additives	**BYK-MAX-P®**	BYK-Chemie	Combined processing additives to improve the dispersion of pigments and mineral fillers in a large variety of polymers. BYK-MAX P increase the throughput by reducing the viscosity and the filter pressure value.
Wetting and dispersing agents	**BYK-MAX D®**	BYK-Chemie	Wetting and dispersing agent for the production of color thermoplastic masterbatches with inorganic, organic and carbon black pigments. BYK-MAX D reduce the viscosity improving the colour strength in the final product.
Wax dispersion	**AQUACER® and HORDAMER®**	BYK-Chemie	PE-wax emulsions and dispersions to be used as anti-caking in the underwater pelletizing systems (POE, TPE, TPU, EVA etc.). HORDAMER can also be used as liquid wetting and dispersing agent for thermoplastic color masterbatches.
Anti-scratch for PP	**BYK-MAX ASC®**	BYK-Chemie	Block copolymer additive to increase the scratch resistance of PP based surfaces of thermoplastic rigid items. Particularly indicated for interior vehicle parts production. Very active at low dosage.
VOC and Odour reduction	**BYK-MAX P® and BYK-MAX OR®**	BYK-Chemie	Granulated processing additives for the VOC and Odour reduction in thermoplastic compounds. BYK-MAX-OR are particularly suitable for the ordour reduction in recycled polyolefins.
Stabilizer for recycled polymers	**RECYCLOBYK®**	BYK-Chemie	Heat stabilizer and processing aid for the recycling of polyolefins. RECYCLOBYK improve the long-term stabability and the mechanical properties of the final compound.
Thermal Stabilizers for PP and PA compounds	**BYK-MAX HS®**	BYK-Chemie	Granulated long-term thermal stabilizer based on inorganic and organic stabilizers for use in PP (PP-GF and Re-PP)and polyamide based compounds.
UV/Light stabilizers for PE and PP	**BYK-MAX LS®**	BYK-Chemie	Ready-to-use UV-Light stabilizer for polyolefins for indoor and outdoor application. Excellent long-term light stabilization, high concentration of active ingredients.
Reinforcing Additives	**BYK-MAX CT®**	BYK-Chemie	Ready-to-use reinforcing additives based on organophilic phyllosilicate to improve the mechanical porperties of polymers. BYK-MAX CT clays are characterized by different morphologies and chemical coating in order to be compatible for a large variety of polymeric matrices (from engineering polymes to polyolefins).
Organophilic phyllosilicate	**CLOISITE**	BYK-Chemie	Phyllosilicates used as a flame retardant synergist in HFFR compounds. Improve physical and barrier properties in thermoplastics. Different modified grades available.
Antifogging agents	**BYK-MAX AF®**	BYK-Chemie	Antifogging agent in granule form for the use in polyolefins to increase the surface tension and transparency of films.

Additives

Product Group	Product Name	Producer	Product Description
Metal soaps	**Alugel®**	Baerlocher	Aluminum di-/tri-stearates deliver good lubricating properties within plastics compounds.
	Ceasit	Baerlocher	Calcium stearates are mainly used as acid scavengers, release agents and lubricants in the plastics industry.
	Magnesium stearate	Baerlocher	Magnesium stearates are used as lubricants and release agents for compounds and masterbatches. They also provide anti-tack and mold release properties in plastics applications.
	Sodium stearate	Baerlocher	Sodium stearates are used as anti-tacking agents for plastics.
	Zinc stearate	Baerlocher	Zinc stearates are used as processing aids, lubricants or powdering agents. They can also serve as acid scavengers.
Defoamer and Air Release Additives	**BYK®**	BYK-Chemie	Silicone free and silicone containing air release agents for unfilled, filled, foamed and fogging PVC-Plastisols.
Foam Stabilizers	**BYK®**	BYK-Chemie	Foam stabilizer for mechanically blown PVC-plastisols to obtain high resilience.
Moisture Absorbers	**BYK®**	BYK-Chemie	Low emission additive to remove residual humidity, to absorb humidity caused by incorporation of fillers and pigments, prevention of unwanted surface defects in PVC plastisols.
Processing Additives	**BYK®-P**	BYK-Chemie	Process additives for PVC plastisols, calendering applications and polyolefins in order to improve processing parameters such as release properties, printability, viscosity, torque build-up etc. Also suitable for use as an entrainer for VOCs in extrusion applications. Internal anti-static additive for synthetic applications.
Rheology Additives	**BYK®** **RHEOBYK** **Garamite**	BYK-Chemie	Low viscous, free flowing additives to increase the thixotropy, to improve the foam stability of mechanically blown foams and to reduce bleeding of pigmented PVC-plastisols, improves anti-sagging, to generate a pseudoplastic behavior.
Viscosity Reducers	**VISCOBYK®**	BYK-Chemie	Viscosity reducer with air release or wetting and dispersing component, partly with low volatility for high- and low- as well as unfilled, foamed and pigmented PVC-plastisols.
Wax Additives	**AQUACER®** **HORDAMER®** **CERAFLOUR®**	BYK-Chemie	PE-wax powder, emulsions and dispersions for use as matting agent, anti-caking additives f.e. for underwater pelletizing of thermoplastic granules (TPE, TPU, EVA).
Wetting and Dispersing Additives	**DISPERBYK®** **DISPERPLAST®**	BYK-Chemie	Additive for optimal pigment wetting and dispersion, to achieve higher color strength and to avoid the agglomeration of organic and inorganic pigments. Suitable for liquid color masterbatches for PE, PP und PET.
Foaming Agents	**Unifoam® AZ**	Hebron	Pure ADCA as exothermic chemical blowing agent. Besides the standard series also a low-dust 'Ultra' series is available as well as modified grades, activated for low temperature processing.
	Endofoam (ADCA free)	Hebron	Endothermic foaming agents, ADCA free grades, available in powder or masterbatch.

Synthetic Rubber

Product Group	Product Name	Producer	Product Description
ACM (acrylic rubber) HT-ACM (high-temperature acrylic rubber)	**RACRESTER™**	Osaka Soda	Vulcanizates containing ACM and especially HT-ACM are extremely resistant against heat and various media. Applications: turbo charger hoses, air intake hoses, power steering hoses, media and temperature resistant hoses, seals and membranes.
ACSM (alkylated chlorosulfonated polyethylene)	**extos®**	Tosoh	Vulcanizates containing ACSM have high resistance against oils and hot air as well as good weather resistance and good dynamic mechanical properties. Applications: belts, roll covers.
CPE (chlorinated polyethylene)	**DAKREN™**	Osaka Soda	Vulcanizates containing CPE have good ozone, oil and weather resistance as well as good resistance to heated air. Applications: cables, hoses, window profiles.
CR (chloroprene rubber)	**Skyprene®**	Tosoh	Vulcanizates containing CR have good mechanical properties. Additionally, they have very good resistance against oil, many aggressive chemicals and abrasion. Applications: conveyor belts, fuel, hydraulic and power steering hoses.
CSM (chlorosulfonated polyethylene)	**TOSO-CSM®**	Tosoh	Vulcanizates containing CSM have good flame supression behavior. Furthermore, CSM vulcanizates offer good resistance against mineral oil. Applications: coated fabrics, hydraulic hoses, power steering hoses.
ECO (epichlorhydrin rubber)	**EPICHLOMER™** **EPION™**	Osaka Soda	Vulcanizates containing ECO offer a well-balanced heat resistance, oil resistance and low-temperature flexibility. Furthermore, good resistance to ozone, low flammability and semi-conductivity is given. Applications: hoses for engines, industrial rolls, gas meter membranes.
EPDM (ethylene-propylene-diene-rubber)	**Sumitomo EPDM**	Sumitomo Chemical	Vulcanizates containing EPDM have excellent resistance to weather influences (e.g. UV radiation, ozone, heat and humidity) and they are mostly resistant to acid and bases. In addition, they have good low-temperature flexibility. Applications: cables, profiles, seals.

Plasticizers

Product Group	Product Name	Producer	Product Description
Adipates	**Cereplas™ DIDA**	Valtris Enterprises	Low volatile monomeric adipate ester-based on C10 branched alcohol. DIDA is providing good low-temperature flexibility, as well as providing low fogging.
	Cereplas™ DOA	Valtris Enterprises	Plasticizer to improve the flexibility at low temperature. Furthermore, it reduces viscosity with good dispersion properties. Food contact applications are possible.
	Cereplas™ DTDA	Valtris Enterprises	Lowest volatile monomeric adipate ester-based on C13 branched alcohol. DTDA provides good low-temperature flexibility and meets fogging requirements.
Benzoates	**Jayflex™ MB 10**	ExxonMobil Chemical	Benzoate-based plasticizer which 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 good compatibility with a wide variety of resins.
Benzyl-phthalates/ Carboxylates	**Santicizer PLATINUM®**	Valtris Specialty Chemicals	Phthalate-free plasticizers which show high compatibility and efficiency, and performs with high permanence and low water solubility. Recommended for many applications like plastisols, foams, sealants, films, as well as calendered and extruded products.
Citrate	**CRANE® Plast ATBC**	KRAHN Chemie	Odorless plasticizer with excellent compatibility with PVC and a wide range of polymers and resins.
Hexanoates	**OXSOFT® 3G8**	OQ Chemicals	Specialty plasticizer with low viscosity, good UV stability, low volatility and migration. Furthermore, OXSOFT® 3G8 shows excellent results regarding low-temperature flexibility.
Phosphate ester	**Santicizer®**	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester-based materials are non-halogen with high plasticizing efficiency and great compatibility in multiple polymer systems.
Phthalates	**ChemFlexx™ 911P**	The Chemical Company	Low-volatility phthalate plasticizer based on linear C9 and C11 alcohols, due to their excellent weather resistance and good permanence particularly suitable for outdoor applications.
	Jayflex™ DIDP **Jayflex™ DINP**	ExxonMobil Chemical	High molecular standard plasticizers. Due to the branching of the alcohol chains, Jayflex™ DINP and DIDP have a high migration resistance and a low volatility.
	Jayflex™ DIUP	ExxonMobil Chemical	High molecular special plasticizer for plastics processing. Due to its low fogging values and high migration resistance, Jayflex™ DIUP is used in automotive applications, e.g. car interior.
	Jayflex™ DTDP	ExxonMobil Chemical	Very high molecular special plasticizer for plastics processing. Due to its very high molecular weight and the outstanding low volatility, Jayflex™ DTDP is recommended for high-temperature and high-voltage applications.

Plasticizers

Product Group	Product Name	Producer	Product Description
Polymeric adipates	**CRANE® Plast 4000 Series**	KRAHN Chemie	Polymeric plasticizers which provide outstanding migration and extraction resistance to petrol and mineral oils. Excellent plasticizers for oil resistant cable jacketing and hoses.
	Santicizer®	Valtris Specialty Chemicals	Polymeric plasticizers which provide outstanding migration and extraction resistance to petrol and mineral oils. Excellent plasticizers for oil resistant cable jacketing and hoses.
Sebacates	**CRANE® Plast DBS**	KRAHN Chemie	Monomeric sebacate ester-based on C5 branched alcohol. DBS provides outstanding low-temperature flexibility with low initial viscosity.
	Cereplas™ DOS	Valtris Enterprises	Special monomeric sebacate ester-based on C8 branched alcohol. DOS provides outstanding low-temperature flexibility and is primarily used in extreme low-temperature environment.
	Cereplas™ DIDS	Valtris Enterprises	This plasticizer combines good processing efficiency with superior low-temperature performance and low volatility. It is used for electrical insulation and high-frequency cable sheathing.
Terephthalates	**Cereplas™ 100XS**	Valtris Enterprises	Standard plasticizer, suitable for sensitive applications with direct food contact, as well as in the toy industry and for leisure products.
Trimellitates	**Cereplas™ IDTM**	Valtris Enterprises	Cereplas™ IDTM is a trimellitate ester of C10 alcohol, miscible with inert organic solvents but immiscible with water.
	Cereplas™ L8TM	Valtris Enterprises	This plasticizer is designed for use in flexible PVC applications where low-temperature flexibility is important. The low rates of migration of L8TM from PVC ensures long service life and is strongly recommended for low-fogging applications such as automotive internal trim.
	Cereplas™ L810TM	Valtris Enterprises	The low volatility, resistance to high temperatures, excellent low-temperature performance in conjunction with good electrical properties makes L810TM especially useful for PVC cable applications. The low fogging values and permanence make it ideally suited in formulating components for automotive internal trim. This product is also available as a stabilized grade.
	Cereplas™ OTM	Valtris Enterprises	This plasticizer is designed for use in flexible PVC applications where low volatility and resistance to high-temperature environments is required. The low migration rates of OTM from PVC ensure long service life. Cereplas™ OTM is strongly recommended for low-fogging applications. It is frequently used in the production of medical devices and is well-known as a perfect replacement for 2-ethylhexyl phthalate within the medical industry. This product is also available as a stabilized grade.
	Jayflex™ L9TM	ExxonMobil Chemical	This plasticizer offers excellent resistance to high temperatures, excellent low-temperature flexibility, better than branched trimellitates, excellent extraction / migration resistance, low migration into PU foam, superior fogging performance, low viscosity improves processability compared to branched C9 trimellitate and L9TM would help to meet automotive cable class C requirements (3000 h 125°C).

Flame Retardants

Product Group	Product Name	Producer	Product Description
ATH	**ALUPREM®**	TP&T TOR MINERALS	Aluminum Hydroxide available in uncoated and coated version for plastic industry.
Aluminum Oxihydrate	**ALUPREM® SR 100 MES**	TP&T TOR MINERALS	Flame retardant synergist, char promoter and smoke suppressant in halogen free system. Aluprem improves the mechanical properties and scratch resistance in filled compounds.
Organophilic phyllosilicate	**CLOISITE**	BYK-Chemie	Phyllosilicates used as a flame retardant synergist in flame retardant application. CLOISITE improves physical and barrier properties in compounds. Several modified grades are available.
Flame retardants	**BYK-MAX-FR®**	BYK-Chemie	Compacted flame retardant additive for polyolefins to use in compounding, extrusion or injection molding processes.
Potassium salt of diphenyl sulfone sulfonate	**KSS-FR**	Arichem	Halogen-free additive, especially designed for PC and PC / ABS compounds (transparent and opaque).
APP	**FR CROS®**	Budenheim	Charring initiator, availble also in coated version. It can be used in several applications: intumescent coating, PU, polyester, epoxy, textiles.
Phosphazene	**SPB®-100**	Hebron	SPB®-100 is a phosphazene flame retardant and a halogene free solution for thermoplastics and thermosets, showing a high performance at low dosage.

Functional Fillers

Product Group	Product Name	Producer	Product Description
Aluminum Oxihydrate	**TOR BRITE**	TP&T TOR MINERALS	TOR BRITE offers exceptional brightness/whiteness as a TiO2 synergist in applications including plastisol and compounds. TOR BRITE improves scratch resistance.
Renewable Functional Filler	**BioMotion™**	UPM	Lignin derived functional filler with high heat resistance, NIR detectable black coloring, negative CO_2 footprint and improving mechanical properties.
EH-Lignin	**BioPrimo**	UPM	Lignin derived from novel production process based on enzymatic hydrolysis, exhibits high purity, good filler characteristics and is favorable in terms of odor compared to Kraftlignin.
Matting Agent, Haptic, Texture	**Spheromers® CA**	Lamberti	Spheromers® are acrylic beads with an extremely narrow particle size distribution available in different particle sizes. They are used as matting agents in segments where semi-gloss, highly transparent, smooth coating surface combined with high scratch and chemical resistance are requested. Due to their narrow spherical particle size distribution, Spheromers® ensure homogeneous and reproducible properties when used as advanced light diffusing additives for LED lighting applications and light diffusion films. Spheromers® are also used as superior polymer anti-blocking agents.
	Decosphaera® PU	Lamberti	Decosphaera® are versatile additives used in a large number of applications ranging from coatings, plastics and adhesives to cosmetics to impart soft touch and texture. When used in coatings applications impart deep matt effects on surfaces without compromising colour acceptance or burnish, wet scrub, abrasion, or scratch resistance. Our waterborne polyurethane beads are highly crosslinked and highly elastic. Decosphaera® are insoluble in water and in most commonly used solvents and do not contain any solvent or VOC. Their spherical shape is not destroyed by stress during processing or use.

Bonding agents

Product Group	Product Name	Producer	Product Description
Bonding agents	**Chemlok®** **Chemosil®** **Parlock™**	Parker LORD	Bonding agents for the adhesion of many elastomers to practically all metals. The products show high adhesion strength and resistance against corrosion, high temperatures as well as oils and solvents.
Adhesion promoters	**Eastman Advantis™**	Eastman Chemical	Water-borne, chlorine-free and APEO-free, adhesion promoters for adhesion of water-borne coatings to thermoplastic, polyolefin-based plastics (TPO, PP).
	Eastman™ AP **Eastman™ CP**	Eastman Chemical	Chlorinated and non-chlorinated, solvent or water-borne adhesion promoters for coatings applied on plastic parts (PP, PE, TPO).

Thermoplastic Polymers

Product Group	Product Name	Producer	Product Description
S-PVC (Suspension PVC)	**Vinnolit® S grades**	Westlake Vinnolit GmbH & Co. KG	Standard PVC produced via suspension polymerization. Highly versatile for both rigid and flexible applications. Offers high purity, good thermal stability and excellent processability in extrusion, calendering and injection molding. Typical uses: pipes, window profiles, cables, hoses, and films.
E-PVC (Emulsion / Paste PVC)	**Vinnolit® E grades**	Westlake Vinnolit GmbH & Co. KG	Fine-particle PVC resins designed for plastisols. Provide smooth, transparent coatings with adjustable viscosity. Ideal for tarpaulins, flooring, synthetic leather, textile coatings, rotational molding and dip applications.
Extenders (Functional Resins)	**Vinnolit® C grades**	Westlake Vinnolit GmbH & Co. KG	High-molecular-weight PVC specialty resins used as functional additives. Deliver matting and anti-blocking effects as well as surface texturing. Applied to create matte, slip-resistant or structured surfaces in films, artificial leather, and profiles.
Co-Polymers	**Vinnolit® Specialty Co-Polymers**	Westlake Vinnolit GmbH & Co. KG	Modified PVC grades offering improved weldability and adhesion, enhanced transparency and higher flexibility. Used in specialty films, pastes, coatings and adhesive systems.
Graft-Copolymers	**Vinnolit® Graft-modified grades**	Westlake Vinnolit GmbH & Co. KG	PVC resins grafted with acrylates or other polymers to improve impact strength, chemical resistance and processing behavior. Applied in technical compounds, high-performance profiles and impact-modified PVC products.
Polyisobutylene	**Oppanol®**	BASF	Oppanol® by BASF is a high-performance polyisobutylene designed for modern plastic applications. It enhances flexibility, adhesion, and gas barrier properties, enabling the creation of tight, durable, and high-performance compounds. Ideal for multilayer films, packaging, seals, and masterbatches, Oppanol® combines outstanding chemical resistance with UV stability and delivers innovative solutions for sustainable, future-oriented plastic products.
	Glissopal®	BASF	Glissopal® is a high-purity, low-molecular-weight polyisobutylene from BASF, used as an efficient plasticizer and adhesion promoter in plastic applications. It enhances processability, flexibility, and surface properties in compounds, seals, and films. Ideally suited for packaging solutions, multilayer films, and technical plastics.

Pigments

Product Group	Product Name	Producer	Product Description
Inorganic pigments	**Cappoxyt®** **Lysopac®** **Nubicem®** **Nubicoat®** **Nubicrom®** **Nubifer®** **Nubiflow®** **Nubiperf®** **Nubix®** **SMM**	Vibrantz	Inorganic colored pigments for a wide range of plastics applications.
Organic pigments	**Acetanil®** **Bonithol®** **Cappoxyt®** **Diacetanil®** **Eco-Lysopac®** **Lumiere®** **Lysopac®** **Lysopure®** **Naphthol** **Phthalo**	Vibrantz	Organic colored pigments for a wide range of plastics applications.
Pigment dispersions	**Temacolor™**	Vibrantz	VOC- and APEO-free colorants for tinting of various solvent-based systems.
	Hydrasperse™	Vibrantz	VOC- and APEO-free colorants for tinting of various water-borne systems.
	Plasticolors®	Vibrantz	Colorants for tinting and in-plant tinting of various thermoset systems.
Aluminium pigment preparations	**TOYAL TE AL-P**	Toyal	Aluminium pigments carried in 30 % PE-wax in particle sizes between 8 – 340 microns D50.
	TOYAL TE-AL-MO	Toyal	Aluminium pigments carried in mineral oil in particle sizes between 8 – 60 micron D50.

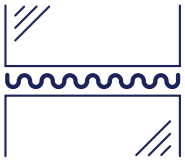
Intermediates

Product Group	Product Name	Producer	Product Description
Anhydrides	**HHPA**	Dixie Chemical Company	HHPA are fully saturated anhydrides that offer superior UV resistance without the need for additional additives. HHPA can be used as monomers to build other polymer systems or can be used to cure cycloaliphatic epoxies for fully UV resistance composites and coatings.
Diol	**EH Diol**	Gulf Chemical International	2-Ethylhexane-1,3-diol is used in organic synthesis and can be used to produce polyester resin, polyester plasticizers and polyurethane resin.
Monomers	**DAISO DAP®**	Osaka Soda	Diallyl phthalate monomer, low volatile crosslinking agent for unsaturated polyesters as a replacement for styrene monomers.
Oxo Alcohols	**Exxal™**	ExxonMobil Chemical	The Exxal™ alcohols are branched, primary alcohols that contain both even-and odd-numbered hydrocarbon chains, ranging from C8 to C13.
Acids	**Neo-Acids**	ExxonMobil Chemical	ExxonMobil neo-acids exhibit high branched structures in which the carboxylic group is attached to a quaternary carbon atom. The high steric hindrance provided by the neo-acid structure imparts excellent thermal and hydrolytic stability in derivatives and also helps make neo-acids a superior building block for derivatives.

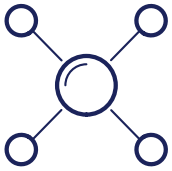
Resins

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 crosslinked polymers with excellent physical (UV and alkaline resistance) and electrical properties.
	HHPA	Dixie Chemical Company	HHPA are fully saturated anhydrides that offer superior UV resistance without the need for additional additives. HHPA can be used as monomers to build other polymer systems or can be used to cure cycloaliphatic epoxies for fully UV resistance composites and coatings.
Resin Systems Laminating & Vacuum Bag Infusion	**Elan-tech®**	Elantas	The composite resins are manually applied in wet lay-up, ambient or vacuum bag processing, for boat making, special parts, wind mill blades and other handworks in glass or carbon fiber. RINA certificated products are available.
Resin Systems RTM & Press Molding	**Elan-tech®**	Elantas	Resin transfer molding of very flowable and reactive epoxy system, from medium to high temperature, for high speed production of composite parts. Application areas are in the automotive, boats and industry market.
Resin Systems Filament Winding	**Elan-tech®**	Elantas	The process consists into the winding of a bath-impregnated fiber to realize, on a rotative support (mandrel or other tool), empty parts (pipes of various section, reservoires, empty parts in general). This kind of production is quite cheap and efficient with high possibility of customization of the parts and definition of the final properties.
Resin Systems Pultrusion	**Elan-tech®**	Elantas	Unfilled or slightly filled system with internal release agents for a continuous processing of fiber impregnation. The materials need to be cured into a mold with different temperatures. The advantage is a fast and cost-efficient production with the possibility to optimize the parameters by control of temperature and reactivity of the epoxy system.
Diallyl Phthalate Resin	**DAISO DAP®**	Osaka Soda	Diallyl phthalate monomers, crosslinking agents for unsaturated polyester and hot sealing compound providing low volatility, excellent heat and chemical resistance.
Diallyl Isophthalate Prepolymer	**DAISO ISO DAP**	Osaka Soda	DAISO ISO DAP has a high flowability when heated. So it's applicable to low pressure molding, and thus being most suitable for uses in sealing.

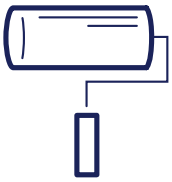
Industries



Adhesives & Sealants



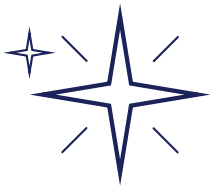
Chemical Intermediates



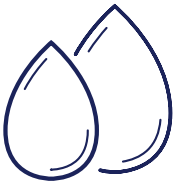
Coatings

Construction

Heat Transfer Fluids

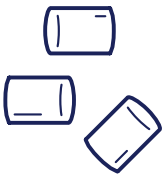


Industrial Cleaning & Home Care

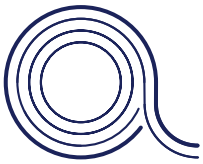


Lubricants & Fuels

Personal Care



Plastics



Rubber

Product 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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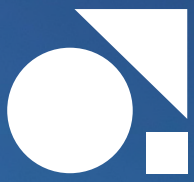
Bring it together!



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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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