



Product Range

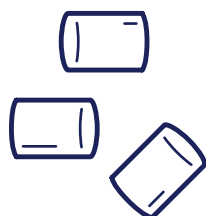
Plastics

PVC

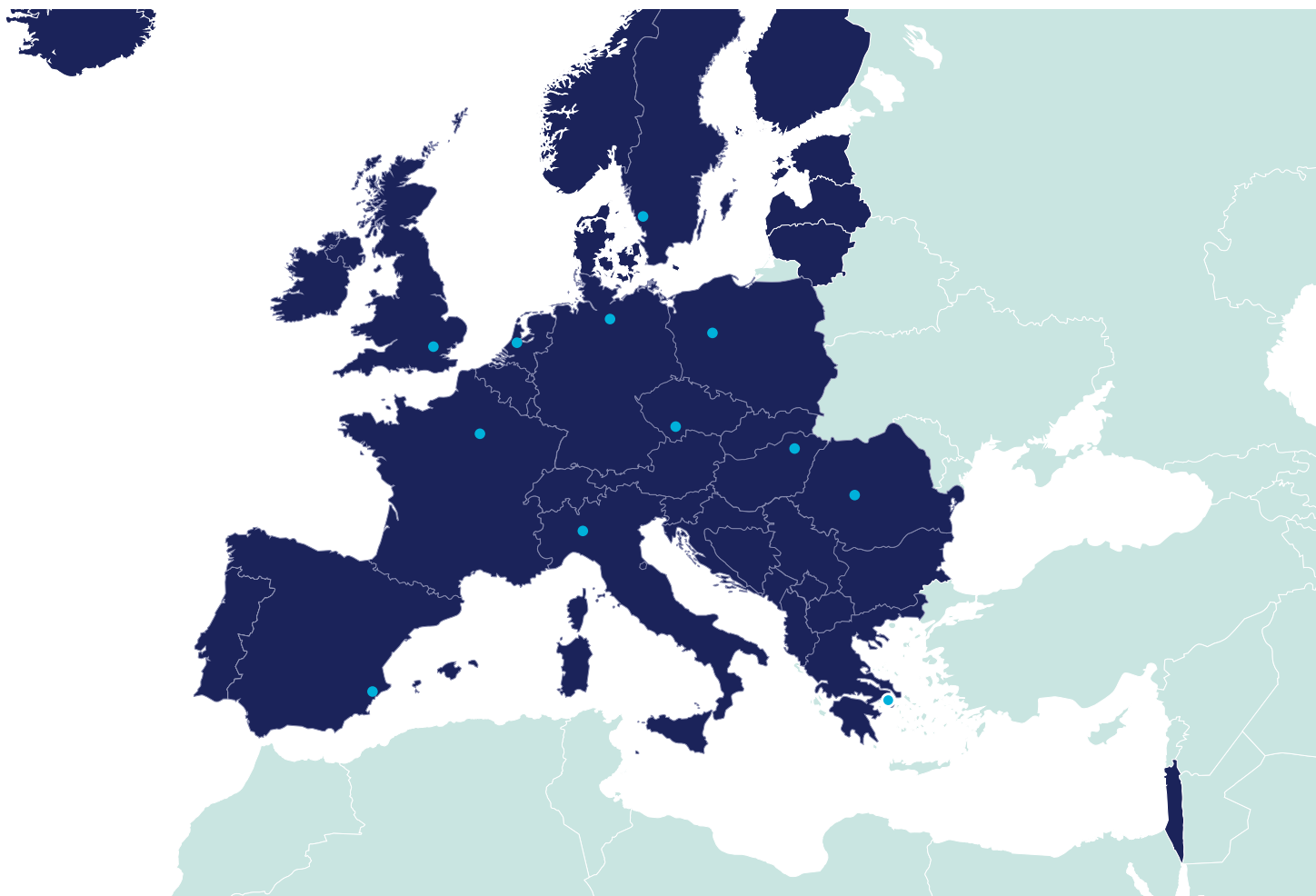
KRAHN

Your high-performance partner for specialty chemicals.

As an independent chemical distributor and sales and distribution partner to leading producers, we also bring together everything that processors in the chemical industry value: an extensive and high-quality product range, technical services as well as in-house laboratory support. We are committed to what we do with always an eye on the best solution.



Plastics



Plasticizers

Product Group	Product Name	Producer	Product Description
Fast Fusing Plasticizers	Santicizer® Platinum P	Valtris Specialty Chemicals	Phthalates-free fast fusing plasticizers with low volatility, excellent extraction resistance and high efficiency attaining performance properties that are similar to phthalate plasticizers.
Benzyl Phthalates	Santicizer®	Valtris Specialty Chemicals	Benzyl Phthalate plasticizers are designed for very high compatibility and high solvating character. Thanks to their high molecular weight they are low volatility plasticizers and guarantee high performance and permanence.
Phosphate Ester	Santicizer®	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility and high permanence.
High Molecular Weight Phthalates	Jayflex™	ExxonMobil Chemical	High molecular Phthalate plasticizers for PVC processing. Due to the branching of the alcohol chains Jayflex™ has a high migration resistance and low volatility.
Monobenzoate	Jayflex™ MB 10	ExxonMobil Chemical	Low viscous plasticizer with favorable gelation properties providing a low constant paste viscosity and a comparatively low volatility. Also compatible in combination with other standard plasticizers.
Linear Phthalates	Chemflexx 911P	The Chemical Company	Low volatile linear C-9 and C-11 alcohol based special plasticizer. Due to its outstanding weather resistant properties and general good permanence especially suitable for outdoor and durable applications.
Trimellitates	Cereplas™	Valtris Specialty Chemicals	Highly permanent plasticizer particularly suitable for high temperatures. Extremely low volatility, excellent resistance against chemicals, low fogging and good processability.
Linear Trimellitates	Edenol™ T810T STAB	Emery Oleochemicals	Special stabilized plasticizer based on linear C8-C10 alcohol. Due to its outstanding high temperature resistance, low emission profile and general good cold flexibility performance especially suitable for durable and demanding applications.
	Jayflex™ L9TM	ExxonMobil Chemical	Low volatile linear C-9 alcohol based special plasticizer. Due to its outstanding high temperature resistance, low emission profile and general good cold flexibility performance especially suitable for durable and demanding applications.
Polymeric	Santicizer®	Valtris Specialty Chemicals	Polymeric polyadipate plasticizers which provides outstanding migration and extraction resistance.
	Edenol™	Emery Oleochemicals	Polymeric plasticizers which provide outstanding migration and extraction resistance. Various viscosities, as well as grades with indirect food contact approval are available.
Adipates	Cereplas™	Valtris Specialty Chemicals	Adipate plasticizers based on branched alcohols from C8 to C13 to improve the flexibility at low temperature.
Sebacates	Edenol™	Emery Oleochemicals	Sebacate plasticizers based on C4 or C8 branched alcohol providing outstanding low temperature flexibility with a low initial viscosity.
Bio-Based	Santicizer® Platinum G	Valtris Specialty Chemicals	Efficient bio-based (85%) primary plasticizer that offers excellent heat stability, enhanced processability and low volatility.
	Edenol™	Emery Oleochemicals	100% bio-based polymeric plasticizers compatible with PVC and Bio-plastics.
Expoxidized Natural Oils	Lankroflex™	Valtris Specialty Chemicals	Secondary plasticizers, co-stabilizers and acid scavengers which add flexibility and extend the lifetime of PVC, coatings and other polymers.

Additives

Product Group	Product Name	Producer	Product Description
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.
Antistatic Agents	LOXIOL®	Emery Oleochemicals	Esters that prevent dust accumulation and minimize the handling problems and risks associated with static charge. Applications: packaging, flooring and sensitive electronic components.
Antifogging Agents	LOXIOL®	Emery Oleochemicals	Esters that prevent the formation of water droplets on plastic film surfaces. Advantages: Excellent transparency of the final product, food contact approval, availability of vegetable-derived products.
Lubricants	LOXIOL®	Emery Oleochemicals	Esters that optimize the processing characteristics of polymers and improve the rheology by reducing melt viscosity and friction during processing.
Release Agents	LOXIOL®	Emery Oleochemicals	Esters that migrate to the interface of polymer and processing machine, depending on the particular level of compatibility with the polymer matrix.
BIOCIDE	Intercide™	Valtris Specialty Chemicals	Additives used to prevent or minimize microbial degradation of PVC. DCOIT, OIT, ZNP and SBF Technology.
Bonding Agents	Vulcabond™	Valtris Specialty Chemicals	Vulcabond™ liquid bonding agents are used in PVC plastisols when coating onto polyester and nylon fibers to make PVC coated fabrics for the construction and transportation industries. Available in non-phthalate formulations.
Laser Marking and Laser Welding	FABULASE®	Budenheim	Inorganic pigments that can be used in several application for obtaining a strong contrast (dark or light marking) on different substrates.
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.

Flame Retardants

Product Group	Product Name	Producer	Product Description
Phosphates	Santicizer®	Valtris Specialty Chemicals	Specialty plasticizers offering flame retardant and smoke suppressing properties. Phosphate ester based materials are halogen-free with high plasticizing efficiency, and fast fusion.
Antimony Trioxide	Triox and Polytriox	PCDL Lucette	This product is intended for applications particularly demanding in terms of fire retardancy.
FR Liquid Masterbatches	Pasta Antifiamma	Krahn Italia	Liquid masterbatches obtained through the fine dispersion of flame retardant fillers with special plasticizers. Standard and customized products available.
Borates and Stannate	Zinflame®	SCL Larderello	Zinflame are used in plastic industry as flame retardant for improving the smoke density in halogen and halogen free formulation.
Magnesium Hydroxide	HYDROFY	NUOVA SIMA	High purity Magnesium Hydroxide, used as flame retardant in compound. Available also in coated version.
ATH	ALUPREM®	TP&T TOR MINERALS	Specialty Aluminum Hydroxides available in uncoated and coated version.
Aluminum Oxihydrate	ALUPREM® SR 100 MES	TP&T TOR MINERALS	This product is used as flame retardant synergist (char promoting filler and smoke suppressant) in halogen free system. It improves the mechanical properties and scratch resistance of compounds.
Organophilic Phyllosilicate	CLOISITE	BYK-Chemie	Phyllosilicates used as a flame retardant synergist in flame retardant. Improve physical and barrier properties in compounds. Several modified grades available.
Smoke Suppressant	BUDIT® T 34	Budenheim	Additive based on Zinc-II-pyrophosphate that can be incorporated in polymers to improve the smoke density.

Stabilizers

Product Group	Product Name	Producer	Product Description
Mixed Metal Stabilizers	Akcrostab™ Lankromark™	Valtris Specialty Chemicals	Highly-efficient heat stabilizers that provide stability to PVC formulations allowing them to be processed into useful everyday items. Available in liquids, powders, pills, and pastes.
Tin Stabilizers	Tinstab and Akcrostab™	Valtris Specialty Chemicals	Tin stabilizers are excellent products for rigid PVC applications and are particularly suitable for transparent film and sheet processing. Valtris is well positioned with its range of methyl tin products varying from 4–19% tin content.
PHOSPHITES	Lankromark™ LE	Valtris Specialty Chemicals	Valtris is a key producer of liquid phosphites and have developed the chemistry for producing 100% phenol-free phosphites and spearheaded the introduction of this to the industry.

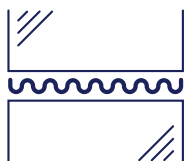
Functional Fillers

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.
Calcium Carbonate	Mikhart, Calatem, Criscal	Provencale	Natural grounded Calcium Carbonate, also available in high purity and brightness.
Calcium Carbonate	PRECARB®	Schaefer Kalk	Precipitated calcium carbonate (Calcite or Aragonite), it can be used as extender for titanium dioxide.
Reinforcing Silicas	HI-SIL® and SILENE™	PPG Industries	HI-SIL®/SILENE™ - are a full range of industry-leading synthetic amorphous precipitated silica products.
	AGILON®	PPG Industries	PPG AGILON® performance silica products are in a single finished product a high performance precipitated synthetic silica combined with a silane.
Miconised Silicas	LO-VEL™	PPG Industries	LO-VEL™ flattening agents comprise a comprehensive line of synthetic amorphous precipitated silica products that reduce the gloss. Available as wax-treated and non-treated products.

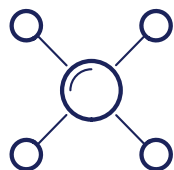
Pigments and Colors

Product Group	Product Name	Producer	Product Description
Organic Pigments	CINQUASIA®	Sun Chemical	Organic High Performance Quinacridone pigments.
	CROMOPHTAL®	Sun Chemical	Organic High Performance Yellow, Red and Violet pigments.
	FANCHON®	Sun Chemical	Organic High Performance Yellow and Orange pigments.
	FASTOGEN® Magenta	Sun Chemical	Organic High Performance Quinacridone pigments.
	FASTOGEN® Blue and green	Sun Chemical	Phthalocyanine Blue and Green pigments.
	HELIOGEN®	Sun Chemical	Phthalocyanine Blue and Green pigments.
	INDOFAST®	Sun Chemical	Organic High Performance Carbazole Violet pigments.
	IRGALITE®	Sun Chemical	Organic classical Azo Yellow, Orange, Red and Violet pigments.
	IRGAZIN YELLOW	Sun Chemical	Organic High performance Yellow pigments.
	IRGAZIN® ORANGE - RED	Sun Chemical	Organic High performance DPP Red and Orange pigments.
	PALIOGEN®	Sun Chemical	Organic High performance Perylen Red and Indanthrone Blue pigments.
	PALIoTAN®	Sun Chemical	Hybrid pigments based on organic and inorganic high performance pigments for the coating industries.
	PALIoTOL®	Sun Chemical	Organic High performance Yellow and Orange pigments.
	SPECTRASENSE®	Sun Chemical	Organic High performance Perylen Black for Heat Management.
	SUNBRITE®	Sun Chemical	Organic classical Azo Yellow, Orange, Red and Violet pigments.
	SUNFAST®	Sun Chemical	Phthalocyanine Blue and Green pigments.
Pigment Preparations	MICROLITH® KP	Sun Chemical	High performance pigment preparations in vinyl carrier. Utmost pigment dispersion level and high transparency. Used for calendered rigid film, lamination and decoration film, blown rigid PVC film and bottles.
	MICRANYL® Q	Sun Chemical	Organic and inorganic range of pigment preparations in vinyl carrier for the mass coloration of flexible and semi-rigid PVC. Also used for injection and extrusion. Anti-fogging: suitable for automotive.
Pearlescent Pigments	FIREMIST®	Sun Chemical	Glass-Based pearlescent Effects.
	GLACIER®	Sun Chemical	Pearlescent Effects based on synthetic Micas.
	LUMINA®	Sun Chemical	Pearlescent Micas with high chroma.
	MAGNAPEARL®	Sun Chemical	Natural pearlescent Silver and White Micas.
	MEARLIN®	Sun Chemical	Natural pearlescent Micas.
	SunGEM XST	Sun Chemical	Glass-Based pearlescent Effects.
	SunMICA	Sun Chemical	Natural pearlescent Micas.
	SunMICA LUX®	Sun Chemical	Pearlescent Effects based on synthetic Micas.
Inorganics	SICOPAL®	Sun Chemical	Inorganic pigments based on various metal oxide and Bi Va.
	SICOTAN®	Sun Chemical	Nichel and Nichel-Chrome complex titanate pigments.
	SICOTRANS®	Sun Chemical	Transparent iron oxide for coating and plastic applications.
Aluminum	Benda-Lutz®	Sun Chemical	Wide range of metallic powder and paste.

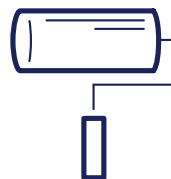
Markets



**Adhesives &
Sealants**



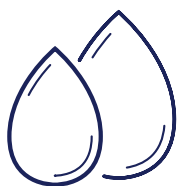
**Chemical
Intermediates**



Coatings



Construction



**Fuels &
Lubricants**



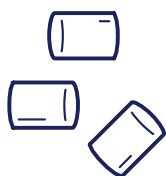
**Heat Transfer
Fluids**



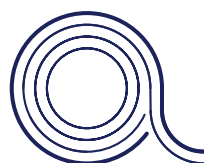
**Industrial Cleaning &
Home Care**



**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, utilisation 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
that create added value:
markets with innovations,
processors with producers
and questions with answers.

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