



ADHESIVES & SEALANTS

PRODUCT RANGE

Romania



KRAHN CHEMIE – A STRONG PARTNER

WELCOME TO KRAHN CHEMIE. As an independent chemical distributor and sales partner to leading producers, we know that some things are simply better together. That's why we connect markets with innovations, processors with producers and questions with answers.

At KRAHN CHEMIE, you can find everything that a processor in the chemical industry values: a broad range of products from top



international producers, competent technical support, laboratory services and logistic solutions. We share your high standards in terms of speed, flexibility and quality – and have proudly served as your strong and reliable partner for more than 100 years.

We look forward to assisting and advising you.

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ADDITIVES

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Adhesion promoters	SiSiB® PC	Nanjing SiSiB Silicones	Different organo-functional silanes to improve the adhesion of adhesives and sealants significantly.
Coupling agents	SiSiB® PC	Nanjing SiSiB Silicones	Different silanes to provide chemical bonding between the inorganic and organic material and curing of silicone sealants.
Dihydrazides	ADH	Otsuka Chemical	Adipic acid dihydrazide. Cross-linking agents for PU, butadiene and acrylate systems.
Diols	EH Diol	Gulf Chemical International	2-Ethyl-1,3-hexanediol, Chain extender, modifier for PU systems.
Drying agents	SiSiB® PC	Nanjing SiSiB Silicones	Fast hydrolyzing vinyl silanes for the use as drying agent, e. g. in moisture-hardening hybrid-sealants.
Flame retardants	Santicizer®	Valtris	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility in multiple polymer systems and fast fusion in PVC applications.
Photoinitiators	Chemacure	UV Chem-Keys	UV-Photoinitiators to initiate polymer reaction in radiation curing systems.
Light stabilizers	Tiangang® HS / Tiangang® UV	Tiangang	Highly effective radical scavengers (HALS) and UV absorbers to prevent adhesives from aging by UV radiation.
Rheology modifier	Zencellose	Zen Global Solutions	High performance cellulose ethers (HEC, MHPC) for paints and different construction applications (mortar, plaster and render, tile adhesives and grouts, self-leveling flooring compounds) to improve workability, adhesion strength, water retention. Zencellose also allow proper setting of different products based on gypsum, cement or lime.

RESINS AND HARDENERS

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	Dixie Chemical Company	HHPA is used as epoxy hardener when maximum resistance to yellowing is required and where premium optical and electrical performance are required.
Hydrocarbon resins	HIGREE™	Qingdao Higree Chemical Co.	Aliphatic, aliphatic-modified, aromatic, aromatic-modified and hydrogenated hydrocarbon resins as tackifier for hot melts, PSA and to modify bitumen and coatings.

SYNTHETIC RUBBER

SBS (styrene-butadiene-styrene block copolymer)	SBS YH	Sinopec	Styrene/butadiene block copolymers with linear or star shape structure. Typical applications bitumen/asphalt modifications pressure sensitive adhesives, hot melt adhesives and, construction adhesives.
SEBS (styrene-ethylene-butadiene-styrene block copolymer)	SEBS YH	Sinopec	Linear hydrogenated styrene/butadiene block copolymers. They are designed with low to high molecular weight. The products show a good performance with high oil extension.

SYNTHETIC RUBBER CONTINUED

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
SIS (styrene-isoprene-styrene block copolymer)	SIS YH	Sinopec	Pure SIS triblock copolymer (SIS) or blends of a linear triblock copolymer (SIS) and diblock copolymer (SI). The products show a good melt processability and excellent tack.

PIGMENTS

Iron oxide pigments	Iron oxide	Toda United Pigment	Full color range of iron oxide pigments with excellent color consistency, very good dispersibility and high tinting strength.
Titanium dioxide	Ruichem	Ruichem	Anatase and Rutile TiO ₂ pigment with organic and/or inorganic treatment. These pigments have very good opacity, color strength and dispersing properties as well as excellent light and weather resistance.
	Titanium Dioxide	Ruichem	Polymer soluble dyes for plastics with high light fastness, thermal stability, food approvals and are free of heavy metals. Suitable for GPPS, ABS, PA, PMMA, PC and PET. A great variety of colors is available.

PLASTICIZERS

Adipates	OXSOFT DOA	Oxea	DOA, (di-2-Ethylhexyl)-adipate, is also known by the name di-octyl-adipate. This plasticizer is used in applications for packaging films in food industry, seals, tubes, hoses, floor covers and cables.
	OXSOFT® DOA	Oxea	Plasticizer to improve the flexibility at low temperature. Furthermore, it reduces viscosity with good dispersion properties. Food contact applications are possible.
Benzoates	Jayflex™ MB10	ExxonMobil Chemical	Benzoate based plasticizer which is applied in PUR-sealants, acrylic based adhesives, MS-polymer based, waterborne adhesives, silane-terminated systems and is used as an alternative for critical short-chain esters.
Benzyl phthalates	Santicizer®	Valtris	Fast fusing plasticizers with low volatility and excellent extraction resistance. Also a good compatibility with a wide range of resins.
Hexanoates	OXSOFT® 3G8	Oxea	Specialty plasticizer with low viscosity, good UV stability, low volatility and migration. Furthermore, OXSOFT® 3G8 shows excellent results as to flexibility at very low temperatures.
Phosphates	Santicizer®	Valtris	Specialty plasticizers offering flame retardant and smoke suppressing properties. The phosphate ester based materials are nonhalogen with high plasticizing efficiency, great compatibility in multiple polymer systems and fast fusion in PVC applications.
Phthalates	Chemflexx 911P	The Chemical Company	Low volatile linear C-9 and C-11 alcohol based phthalate plasticizer. Due to its outstanding weather resistant properties and general good permanence especially suitable for outdoor and durable applications.
	Jayflex™ DIDP Jayflex™ DINP	ExxonMobil Chemical	High molecular standard plasticizers for adhesive and sealant systems. Due to the branching of the alcohol chains Jayflex™ DINP and DIDP have a high migration resistance and a low volatility. Jayflex™ DINP and DIDP are applied in PUR-sealants, acrylic based adhesives, MS-polymer based and silane-terminated 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-sealants, acrylic based adhesives, MS-polymer based and silane-terminated systems.
	Jayflex™ DTD	ExxonMobil Chemical	Very high molecular special plasticizer for adhesives and sealants. Due to its very high molecular weight and the outstanding low volatility, Jayflex™ DTD is recommended for high temperature and high voltage applications. It is applied in PUR-sealants, acrylic based adhesives, MS-polymer based and silane-terminated systems.
Specialty blends	OXSOFT® DUO1	Oxea	Blend of two low volatile esters. Features an excellent migration profile combined with good processability. The low viscosity of the product enables easy handling. Additionally, it offers very good low temperature properties.
	OXSOFT® DUO2	Oxea	Blend of two low volatile esters. OXSOFT® DUO2 features a further improved migration profile compared to OXSOFT® DUO1, but still the product is easy to process. Extraction resistance against various media and fogging values are excellent.

PLASTICIZERS CONTINUED

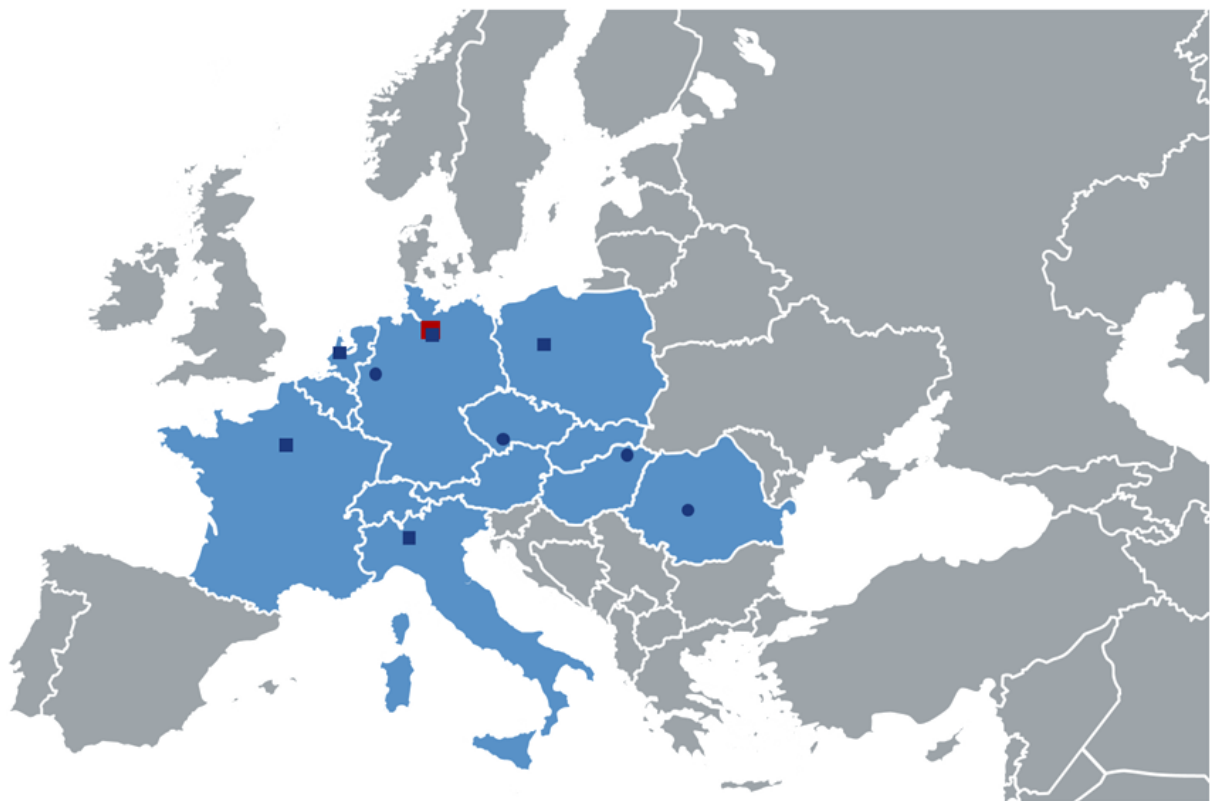
PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Terephthalates	Plast Soft DOTP	Plastifay	Standard plasticizer, suitable for sensitive applications with direct food contact as well as in the toy industry and for leisure products.
Trimellitates	OSXOFT® L9TM	Oxea	Extremely permanent, linear trimellitate plasticizer with low volatility and migration as well as high resistance against extraction. Furthermore, OSXOFT® L9TM offers outstanding properties as to flexibility at low temperatures. Also because of the practically identical performance OSXOFT® L9TM is suitable as an alternative to linear C8/C10 and linear C8 trimellitates.
	OSXOFT® TOTM / TOTM ST	Oxea	Highly permanent plasticizer, compatible with various polymers, extremely low volatility, excellent protection against calcium soaps, low fogging and good processability.

THERMOPLASTIC POLYMERS

EVA (ethylene vinyl acetate)	Ateva®	Celanese	High-performance ethylene vinyl acetate copolymers with a VA content up to 40% and broad MI range from 0.35 to 850, for hot-melt adhesives for packaging, labeling, case and carton closing, lamination and book-binding applications.
PVC	Formolon®	Formosa Plastics	E-PVC for PVC plastisols and laminating adhesives.

Product Disclaimer

- 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.
- 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.
- At all times our Conditions of Sale apply.
- Our product lists include dangerous goods. The correct marking of such goods is described in the respective datasheets.



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