



DR. PETRY  
TEXTILE AUXILIARIES



# Textilchemie Dr. Petry GmbH Product Range





## TEXTILE AUXILIARIES FOR THE ENTIRE TEXTILE CHAIN

The comprehensive textile auxiliary range of Textilchemie Dr. Petry GmbH comprises products for classic textile finishing such as pretreatment, dyeing, coating, and finishing, as well as yarn lubricants, sizing agents and specialty products and pigments for the garment sector.

### SPINNING AND FIBER AUXILIARIES

Our product range covers lubricants and preparations for cotton and worsted yarn spinning. We also offer spinning preparations for yarns and staple fibers made of synthetic polymers, and for the production of non-wovens:

- PERFILAN – Lubricants
- PERFILAN – Spinning Preparations

### SIZING AGENTS

The following list provides an overview of our sizing agents and our products for weaving preparation:

- EKAVIOL – Sizing Agents based on Polyvinyl Alcohol
- EKACELL – Sizing Agents based on Carboxymethyl Cellulose (CMC)
- EKASTAR – Sizing Agents based on Potato Starch
- EKAGUM – Sizing Agents based on Galactomannan as well as Customized Compounds
- EKAWAX – Sizing Waxes
- EKAFIN – Smoothing Agents
- EKACOL – Cold Sizes
- PERFILAN – Sizing Agents and Additives
- PERIPRET CTS liq. – Sustainable Sizing Agent based on Chitosan

### PRETREATMENT

For pretreatment processes such as washing and scouring, desizing, bleaching, mercerizing, causticizing and optical brightening we offer the following product groups:

- PERIFOAM – Defoamers
- PERLAVIN – Washing Agents, Detergents
- PERIPLEX – Complexing Agents
- PERIQUEST – Sequestering Agents
- PERISTAL – Stabilizers
- PERIWET – Wetting Agents, Deaerating Agents
- PERIBLANC – Optical Brighteners
- PERIZYM – Enzymes





## DYEING

Our product range for dyeing natural and synthetic fibers comprises the following dyeing auxiliary lines:

- PERIFOAM – Defoamers
- PERIWET – Wetting Agents, Deaerating Agents
- PERIGEN – Levelling and Dispersing Agents
- PERILAN – Crease Inhibitors
- PERISTAL – Buffers, Acid Donors
- PERFIXAN – Fixing Agents
- PERIQUEST and PERIPLEX – Sequestering and Complexing Agents
- PERLAVIN – Soaping Agents
- PERETARD – Retarders







### FINISHING AND SOFTENING

Our range of finishing agents includes water and oil repellents, antistatic agents, and flame retardants. Furthermore, we offer products for resin finishing, agents for improvement of anti-slipping properties, and textile chemicals for creating luster or crash effects. We also provide softeners based on various functional silicones, paraffin and polyethylene waxes, as well as fatty acid amides.

The following is a selection of our textile auxiliaries for finishing and softening:

- PERISOFT – Softeners
- PERFIXAN – Agents for the Improvement of Crease and Shrink Resistance
- PERIPRET – Anti-Slip and Anti-Snagging Agents, Lustering Agents
- PERIGUARD – Water and Oil Repellents, Soil Release Products, Flame Retardants
- PERISTAT – Antistatic Agents
- PERIBLANC – Optical Brighteners





### YARN LUBRICANTS

We offer a broad assortment of lubricants, coning oils, and warping oils which are tailored to the various yarn, thread and twist application fields, as well as bonding agents for special high-tech requirements:

- PERIFIL – Emulsion-Based Yarn and Sewing Thread Lubricants
- PERIXEN – Water-Free Yarn Lubricants and Coning Oils
- PERIBOND – Bonding Agents for Sewing Yarns

### COATING

For coating textile surfaces for fashionable as well as for technical applications, we offer polymers such as polyvinyl acetates, polyacrylates, polyurethanes and polyvinyl chlorides. Beyond synthetic polymers we also offer polymer compounds and coating additives:

- PERICOAT COMPOUND – Polymer Compounds
- PERICOAT FOAMER and STABILIZER – Foaming Agents and Foam Stabilizers
- PERICOAT CROSSLINKER – Crosslinking Systems
- PERICOAT – Binders
- PERIFOAM – Defoamers

### PRINTING

Our line of printing products consists of numerous printing auxiliaries for conventional textile printing with different dyestuff groups, for pigment printing, and for textile ink-jet printing:

- PERIPRINT – Printing Auxiliaries
- PERICOAT – Binders for Pigment Printing
- PERIJET – Auxiliaries for Ink-Jet Printing
- PERFIXAN – Fixing Agents for Fastness Improvement





## GARMENT

The textile auxiliary range for garment finishing of Textilchemie Dr. Petry GmbH offers products for the pretreatment, dyeing, washing, bleaching and finishing of ready-made pieces. Furthermore, we offer specialty products for particular procedures such as garment printing and garment coating. Our product line also includes pigments for various garment dyeing methods.

### GARMENT PRETREATMENT

In order to remove all interfering substances from ready-made garment pieces, we offer pretreatment agents for desizing and scouring. In this manner, both uniform and reproducible coloring and finishing effects can be obtained in subsequent processes. As it is important to prevent back-staining in the pretreatment of blue jeans, we offer textile auxiliaries and enzymes which contain back-staining inhibiting additives, as well as separate back-staining inhibitors.

### BIOPOLISHING WITH CELLULASE ENZYMES

Our product range comprises various enzyme preparations for garment washing of cellulose textiles. Neutral cellulase formulations provide less loss of weight and tensile strength while reducing the back-staining. Acid cellulases work ideally in acid pH range and are optimally suited for stone washing of blue denim articles.

### STONE WASHING WITH PERLITE AND PUMICE STONES

In order to increase the abrasion and brightening effects during the washing process, cellulases and other auxiliaries from our product range can be added. This reduces the processing time and minimizes the mechanical damage to the garments. We also offer special perlite stones for washing delicate fabrics and for obtaining particular effects.

### GARMENT DYEING

Our PERICOLOR range comprises special pigment dyes as well as various binder systems, which can be used for creating two-color over-dye effects or for old-dye, wave-dye and cold-dye effects. We provide also dyeing auxiliaries such as wetting agents and crease preventing agents for optimal dyeing results on ready-made garments.

### GARMENT FINISHING

In addition to textile-chemical processes various manual, mechanical and technical methods such as brushing, sanding and laser treatments are used in garment finishing. We offer specialty products for creating particular crash and color effects and also for special handle and coating variants. Our product assortment also includes fixing agents for improving fastnesses and yellowing inhibitors for indigo.





### GARMENT PRINTING

In garment printing, it is possible to create printing designs on ready-made clothing pieces, similar to classical printing techniques on open-width fabrics. We offer printing auxiliaries for modern laser and transfer printing on clothing items. In laser printing, the laser units are utilized for creating partial bleaching effects on dyed ready-made garments. As a result, fancy vintage effects can be produced. Furthermore, the classical transfer printing process can be modified in order to transfer printing designs from transfer paper to garments.

### GARMENT COATING

In garment coating, the same polymers which are applied in traditional textile coatings, are also used for creating fashionable effects such as luster or leather imitation effects. Furthermore, shiny pigments as well as reflecting glass beads can be applied on the garments. In garment coating, the textile chemicals are usually applied on the garments by spray application or by a dip-hydroextraction process.

### GARMENT BLEACHING, CHLORINE-FREE AND PERMANGANATE-FREE

Traditional techniques for local bleaching effects on denim are often obtained with ecologically questionable chemicals, such as potassium permanganate or chlorine. We offer environment-friendly alternatives for oxidative bleaching of indigo. These products can be applied by both spraying or brushing.

For more information on our products, please visit [www.drpetry.de](http://www.drpetry.de).



## TEXTILE CHEMISTRY FOR THE WHOLE TEXTILE CHAIN

- Spinning and Fiber Auxiliaries
- Sizing Agents
- Pretreatment
- Dyeing
- Finishing
- Yarn Lubricants
- Softeners
- Coating
- Printing
- Garment Finishing

## OUR STRENGTHS

- Long-term experience in textile chemistry since 1974
- Innovative, medium-sized German family business
- Products and services available worldwide
- Personal consulting from experienced textile finishing specialists
- Customer-oriented development of tailor-made textile auxiliaries
- Modern, sustainable products and ecological procedures
- Quick laboratory and application services
- Short, flexible lead times
- High quality according to German norms and standards
- Quality management DIN EN ISO 9001
- Environmental management DIN EN ISO 14001
- Ecological standards: GOTS, STANDARD 100 by OEKO-TEX®, bluesign® system, ZDHC

## OUR HISTORY IN SHORT

- 1974 Foundation of Textilchemie Dr. Jörg Petry in Reutlingen, Germany
- 1976 Transformation into Textilchemie Dr. Petry GmbH
- 1981 Establishment of our subsidiary Dr. Petry Chemie AG in Sennwald, Switzerland
- 1992 Construction of new production, laboratory and administration building in Reutlingen-Betzingen, Germany
- 1994 Initial certification in accordance to DIN EN ISO 9001 for quality management
- 1996 Establishment of our subsidiary Dr. Petry TYM LTD ŞTİ. in Istanbul, Turkey
- 1996 Initial certification in accordance to DIN EN ISO 14001 for environmental management
- 1997 Expansion of headquarters in Reutlingen-Betzingen and acquisition of additional warehouse
- 2005 Appointment of Dr. Friedrich Petry as Managing Director
- 2007 Establishment of our subsidiary Dr. Petry Guangzhou Textile Auxiliaries Co., Ltd. in Guangzhou, China
- 2017 Relocation of Turkish subsidiary from Istanbul to Cerkezköy, Turkey
- 2018 Launch of the new Garment Technology Center in Reutlingen, Germany

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