



Products for Professional and Hygienic Laundering



We offer complete solutions

...FOR ALL PROFESSIONAL SERVICE PROVIDERS AND COMPANIES WITH A FOCUS ON CLEANLINESS, HYGIENE AND DISINFECTION.



SEITZ is an innovative German family-owned company

with international alignment that has committed to the development of target-group-oriented solutions in all areas of professional cleaning, hygiene and disinfection.

Well advised with SEITZ

We offer products, concepts and system solutions, if you have any questions concerning commercial and industrial textile care, kitchen hygiene, room care and disinfection. Our offer is targeted at companies and service providers that also have the tasks of caring for and maintaining materials, protecting the environment and protecting people from infections and disease.

CONSULTING

- PRODUCTS
- PROCEDURES
- > TECHNOLOGY

TRAINING

> SERVICE

All SEITZ products share one thing

They are efficient in consumption, highly effective and serve to facilitate work. We always strive to make our products as harmless as possible work-technically. Among the raw materials, we ensure that they are bio-degradable where possible.

The Name SEITZ has a long tradition for careful progress

We have been and are striving for the development of innovative interlocking product systems and thought-through procedures, pioneering technologies and customer-oriented services by which you as a customer can improve your competitiveness.

In spite of all economic efficiency, we are at the same time aware of our responsibility for the following generations – we focus on not negatively impairing the environment and effectively and efficiently using resources.





Laundry is such a complex business for which we offer you our total service, which you can rely on at any time and without restriction. No matter whether on site, on the phone or on-line – we are at your disposal and will guide you to your success!

Welcome!

135 plus years of experience

are included in our daily work. In our in-house lab and technical development centre, we develop products, procedures and machines for national and international use and check them for efficiency and effectiveness in application technology.

We listen

when our customers report on their requirements, wishes and problems. This is where our development and research department needs to find innovative solutions.

Everything under control

Our products, procedures and plant technologies are subjected to continuous review and optimisation. This way, we can continually develop and improve quality and efficiency of our offer.

We purchase our high-quality raw materials

and materials from carefully selected suppliers that meet equal quality and highest standards.

Every incoming raw material and every outbound product is routinely reviewed. Only this way can we ensure highest quality and safety that is also reflected in our DIN EN ISO 9001 certification.

Your SEITZ-Team

The fresher company.

SEITZ Products

Highly concentrated – highly active – highly effective

Highest wash performance with the safest care for the articles being laundered, low energy expenditure and minimum charge of the waste water – these are the requirements that are demanded of a good detergent.

With our innovative product lines **Mega Power Powder** and **Viva Power Fluid** we offer you powder and liquid detergents formulated to perform together, or independently, with low optimum dosing levels.

When we developed these detergents, we intentionally aimed at formulating high-performing concentrates without the need for filler materials.

The advantages are evident: Low dosage = Savings in packaging, storage and transportation – advantages that are indispensable in today's market.

Mega Power Powder



The more variety of laundry you have to deal with, the more differentiation of detergents are required. Our powder product line includes: full wash, prewash, sole wash, basic wash, fine wash agents and highly effective specialty products.

The type of products to be used are matched to the type of laundry to be treated, assuring you of reliable soil-removal and top wash results, no matter what you process.

Viva Power Fluid



The "Viva Power Fluid" line includes liquid products which are instantly soluble and thereby immediately activate their full wash power. This is the best prerequisite for optimum economical dosage. We take great care that all our high-grade surfactants are carefully selected and biodegradable. The end-result is a constant, extremely high quality standard.

Detergents

Pre-wash detergent

Mega Forte

- Quick fibre-swelling without aggressive alkali
 High dispersing capacity on pigment soil
 Cood watting for quick paratration at the bag
 - Good wetting for quick penetration at the beginning of pre-wash

Pre-wash powder and alkali booster for temperatures from 40 – 90 °C

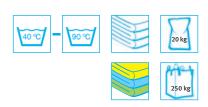
- Suited for white and coloured textiles made from cotton and
 - mixed fabric

Completely built detergents

Mega Polis

Special powder detergent for mixed fabrics and synthetics Excellent whiteness on all types of fibre material

- Optimum greying inhibition
- Eliminates traces of greying on mixed fabric and synthetic materials



Detergents

25 kg 75 kg

90 %

Mega Sol Completely built wash powder • High dispersing capacity on pigment soil · has particularly high stain-solubilising power **Mega Power** Completely built wash powder for chemo-thermal laundry disinfection • Disinfection according to §18 IfSG scope of action A and B in the **Viva Duox procedure** at 70 °C • High dispersing capacity on pigment soil **Mega Active** Completely built powder detergent for treatment of work clothes • Formulated mainly for treatment of strongly soiled dark work clothes. • Heavy oil soiling to be treated in combination with a grease solubilizer **Viva Pris** Liquid basic detergent and booster for temperatures from 40 – 90 °C • Quick fibre-swelling without aggressive alkali • Disinfection according to §18 IfSG scope of action A and B in the Viva Duox procedure at 60 °C • High dispersing capacity on pigment soil • Excellent complexing capacity, also in case of heavy metals (Fe, Mn, Cu) Suited for white and coloured textiles made from cotton and mixed fabric

Completely built detergents

| Viva Sol | Completely built liquid detergent for chemo-thermal laundry disinfection Extraordinarily high stain-solubilising power High whiteness degree Low dosing quantities | | i kg i kg 0 kg |
|-------------------|--|---------------------------|----------------------|
| Viva Turbulent | Liquid, weakly alkaline completely built detergent Developed for neutral up to strongly alkaline wash procedures Due to its low foaming and good rinsing properties, the product is particularly well suited for wash procedures with a high water re-use. Excellent basic whites results and whiteness degrees with neutral colour shades. | <u>30°C</u> - <u>90°C</u> | kg 0 kg |
| Viva Uni | Liquid all-round detergent for all temperatures Without alkali Particularly high enzymes component Excellent dispersing capacity on grease- and pigment-bound soil Excellent complexing capacity, also in case of heavy metals (Fe, Mn, Cu) | <u>30°C</u> - <u>90°C</u> | l kg 0 kg |
| | | | |

°C

wash temperature

type of laundry



Detergents for delicate textiles and wool

| Detergents for | or delicate and coloured textiles | |
|-----------------------|---|---------------------------------|
| Mega Color | Powder detergent for delicate and coloured textiles for temperatures from 30 – 60 °C Without optical brighteners or bleaching agents With passive colour protection High fibre care For all coloured, pastel-coloured and delicate textiles | |
| Viva Color | Liquid detergent for delicate and coloured textiles for temperatures from 30 – 60 °C Without optical brighteners or bleaching agents With passive colour protection Suited for all coloured and delicate textiles | |
| Viva Sensitiv | Completely built liquid detergent for all temperatures Detergent for protective personal wear Exempt from alkalis Exempt from optical brighteners Especially suite for protective personal wear, fire brigade uniforms, garments with luminescent stripes | 30 °C - 60 °C 25 kg 60 kg |

Detergents for wool Viva Care Special liquid detergent for wool and silk • Active and passive fibre care test-• Protection against felting and shrinkage • Suited for wet-cleaning • Ideal for care of sensitive garments Viva Lana Liquid detergent for washable outerwear • Disinfection according to §18 IfSG scope of action AB at 40 °C 20 kg 60 kg (filed for registration approval) • To be used for washable outerwear, personal protective equipment and other special textiles • High productivity with optimal garment care. • Combined with **Viva Duox**, safe disinfection of delicate goods will be reached at even lowtemperatures. Viva Silk **Special liquid detergent** for wool, silk and viscose • Extremely gentle care with highest soil removal capacity 20 kg 60 kg of textiles and carpets made from wool, silk and viscose • Viva Silk can be used in all wash extractors and common type industrial carpet-washing machines.

etergents for delicate and coloured textile

Viva Geniox Procedure



Viva Geniox – the innovative liquid oxygen bleach from SEITZ – is highly active at a temperature of $30 \text{ }^{\circ}\text{C}$ – reliable disinfection is reached at $40 \text{ }^{\circ}\text{C}$.

In addition, the **Viva Geniox procedure** guarantees maximum protection of colours and fibres. Combined with **Viva Care**; even most delicate woollen articles can be care-washed with best results in wet-cleaning. Especially sensitive textiles, e.g. laundry from residents of old people's homes and care institutions can now be washed and bleached in a care-wash process in wash-extractors and continuous batch (tunnel) washers at a temperature of 30 °C and then be disinfected at 40 °C.

Only the **Viva Geniox procedure** in combination with **Viva odoSorb** will give you the assurance that crucial laundry and sensitive textiles from hospitals and senior's care institutions will become hygienically clean with total fibre penetration and free from all tenacious and unpleasant odours.

Viva Duox Procedure



Innovative economic procedure for laundry desinfection

By the **Viva Duox procedure** developed in our laboratory and optimally tested you will enhance your wash quality and save resources. Ask for the chemo-thermal laundering and disinfecting procedure with our products **Viva Duox**, **Viva Pris** and **Mega Power**.

Even with lowest dosage, these products will guarantee you reliable germicide action. You will need only very small quantities, i.e. 1,5 g of **Viva Pris** per litre and 1,5 g of **Viva Duox** per litre of wash bath. In combination with **Viva Duox** and **Mega Power** you will need 1,7 g of **Viva Duox** per litre and 1,0 g **Mega Power** per litre of wash bath. The action time at 70 °C bath temperature is as short as only 10 minutes. Despite the low dosage of **Viva Duox**, best bleaching results are obtained, even without the addition of hydrogen peroxide.

Viva Lana/Viva Duox Procedure



If thorough washing alone is not sufficient, you will have the possibility of disinfectant washing by means of a combination **Viva Lana** and **Viva Duox** with a chemo thermal disinfection procedure which is quick, effective and a safe germicidal action at 40 °C after 10 minutes.

Viva Lana/Viva Duox Procedure has a bactericide, fungicide and virus-deactivating action in the wash process. This procedure is suited for chemo-thermal laundry disinfection in the fields of food industry, other industries, household and public institutions. It is particularly suited for sensitive textiles like for example washable outerwear and personal protective wear.

Ewen with lowest temperature this procedure will guarantee you reliable germicide action. At RKI scope of action AB you will need 2 g/l **Viva Lana** and 7 ml/l **Viva Duox** at 40 °C and at VAH procedure 2 g/l **Viva Lana** and 5 ml/l **Viva Duox**. The action time is as short as only 10 minutes.

We will be at your side in all aspects of the laundry operation: dosage, filtration, bath cycles, nature of water, lye regeneration, waste water treatment, operational output, legal requirements and formulas, just to name a few issues. An ample and precise analysis of your business the basis for elaboration and installation of individual custom-made wash processes.

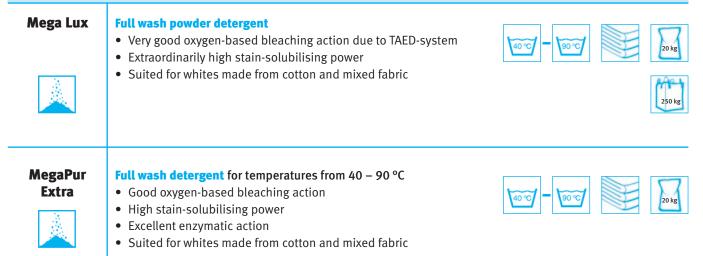
Booster

| Booster | | | |
|------------|---|-----------------------------|--------------------------|
| Viva Combi | Liquid albumin and grease solubiliser Removes grease-bound, albuminous and pigment-bound soil in the initial pre-wash phase Very high enzyme proportion Special combination of surfactants Exempt from alkali | <u>30 °C</u> - <u>60 °C</u> | 20 kg 60 kg 200 kg |
| Viva Oleo | Liquid grease solubiliser and wetting agent Highly active combination of surfactants for treating natural oils and grease Quick-wetting for reducing the pre-wash beginning phase Enhanced action in combination with Viva Zym Without alkalinity | <u>30 °C</u> – <u>90 °C</u> | 20 kg 60 kg 200 kg |
| Viva Plex | Liquid booster for pigment- and grease-bound soil Highly efficient removal of pigment soil Dispersion of all kinds of oil and grease Optimum greying inhibition Excellent complexation of water hardness | <u>30 °C</u> - <u>60 °C</u> | 28 kg 85 kg 250 kg |
| Viva Pris | Liquid basic detergent and booster for temperatures from 40 – 90 °C Quick fibre-swelling without aggressive alkali High dispersing capacity on pigment soil Excellent complexing capacity, also in case of heavy metals (Fe, Mn, Cu) Suited for white and coloured textiles made from cotton and mixed for | abric | 25 kg 75 kg 250 kg |
| Viva Blue | Liquid booster for synthetic oils and greases Excellent removal of industrial greases and oils Highly active emulsifier Anti-foaming Solvent-free | 30 °C | 20 kg 60 kg 200 kg |
| Viva Forte | Highly alkaline basic detergent for 40 – 90 °C For white and coloured textiles made from cotton and mixed fabric Quick fibre-swelling High alkalinity which actively supports grease saponification High dispersion capacity in case of pigment soil and excellent complexing capacity in case of heavy metals (Fe, Mn, Cu) | 40°C | 25 kg 75 kg |
| Viva Zym | Liquid enzymatic agent Reliable removal of all albuminous stains Efficient degradation of denaturated albuminous stains Optimum action at 30 – 65 °C Resistant to alkali | <u>30 °C</u> - <u>60 °C</u> | 20 kg 60 kg |

Detergents



Full wash detergents



Bleaches

Disinfectant bleaches

| Viva Duox | Liquid disinfectant and bleaching agent Highly active disinfectant and bleaching agent based on peracetic acid Disinfection according to §18 IfSG scope of action A and B in the Viva Duox procedure at 60 °C (filed for registration approval) High efficiency due to excess of oxygen Low dosage and low processing cost | 20 kg 60 kg |
|-------------|--|----------------|
| Viva Geniox | Liquid bleach and disinfectant agent Highly active liquid oxygen bleach already from 30 °C Reliable disinfection at 40 °C Perfect cleanliness and hygiene Optimal bleaching and disinfectant agent for sensitive textiles Bactericide and fungicide action according to DIN EN 1276 and DIN EN 1650 | 20 kg |



Bleaches

| Traditional b | Traditional bleaches | | | | |
|---------------|--|--|--|--|--|
| Mega Chlor | Chlorine-based powder bleach Best bleaching action at lowest dosage Optimum bleaching effect at 40 - 60 °C High storage stability | | | | |
| Mega Oxy | Oxygen-based powder bleach Excellent bleaching action at 40 – 85 °C Can be combined with all types of detergents Low dosing quantities Reliable buffering of the bleach bath | | | | |
| Viva Chlor | Liquid chlorine-based bleach Oxygen bleach based on sodium hypochlorite Optimum scope of action at 40 – 60 °C and with pH 10,5 | 40°C = 60°C 25 kg | | | |
| Viva Superox | Liquid bleaching agent Hydrogen peroxide-based bleaching agent Effective bleaching and deodorant action Optimum temperature range at 60 – 80 °C Improves the whiteness degree of the laundry | - 80 °C 20 kg 55 kg 220 kg | | | |

Hygiene Certification according to DGHM*, VAH* and RKI*



Hygienic cleanliness, fresh fragrance and comfortable wearing, these are the outstanding properties of textiles washed with SEITZ-Products. The products in the SEITZ catalogue which are listed and approved by DGHM, VAH and RKI, guarantee reliable germicide action for killing bacteria, fungi, yeasts and viruses (scope of action A and B). The innovative and equally approved application procedures result in a gentle wash and disinfection process by which existing micro-organisms and viruses are killed in the wash process. Despite the strong action, the natural ph-value of the textiles treated is preserved at the end of the wash process and skin irritations or allergic reactions are avoided.

Combined with these approved and certified procedures, our liquid and powder detergent programme is the perfect solution to meet the demands of modern hygienic Textile Care.

DGHM* (Deutsche Gesellschaft für Hygiene und Mikrobiologie), VAH* (Verbund für angewandte Hygiene), RKI *(Robert-Koch-Institut)



Finishing Agents

| Sizing | | |
|-------------|--|--------------------------|
| Viva Finish | Liquid sizing for parts to be ironed and shaped Excellent smoothing effect Reduced creasing Improved finish Stabilization of the pH-value To be used in the finishing bath | |
| Viva Top | Liquid sizing for wet-cleaning Provides a soft, elastic and voluminous handle Optimum fibre care Prevents felting and shrinkage Reduced ironing and steam-finishing operations To be used in the finishing bath | - 30 °C 20 kg 60 kg |

| Starches | | |
|-------------|---|--|
| Mega Starch | Native powder starch Reliable starching effect Appealing gloss of the treated textiles Can be used without problem in all ironing systems Easy to dose To be used in the finishing bath | |
| Viva Starch | Liquid starch, suited for ironers Best starching effect at lowest dosage Excellent ironer capacity Polymer-based synthetic starch Very good storage ability To be used in the finishing bath | |
| Viva Nasta | Liquid native starch • Pleasant handle and shape • Silky gloss • No formation of cloudily marks • Excellent mangling capacity | |



Softener

| Viva Soft | Liquid softener Pleasant soft and elastic handle Improved gliding properties in pressing and ironing No water repellent action Appealing fresh fragrance To be used in the finishing bath | | 20 kg 60 kg 200 kg |
|-------------|--|--|--------------------------|
| Viva Soft P | Liquid softener with intensive fragrance The product is suited for all kind of textiles. Textiles treated with the product receive a pleasant soft and fluffy handle. The product can be used in all machine systems. | | 20 kg 60 kg 200 kg |

| Disinfection | | | |
|--------------|--|---------------------------|----------------|
| Viva Silver | Permanent hygienic finish for textile materials Bactericide and fungicide properties Avoids regermination of the textiles (bacteriostatic action) Especially compatible with the skin and thus best recommended for treating also garments that are worn on the skin. | <u>30°C</u> - <u>40°C</u> | 20 kg 60 kg |

Water repellent agent

| Viva Protect | Emulsion for oil and chemicals repellent finish Fluorocarbon resin with reticulation Best protection at 30 - 40 °C | |
|--------------|--|--------|
| | Very good finishing propertiesPreserves active cellular breathing of membranes and textiles | 200 kg |

| Neutralizer | | |
|-------------|--|----------------|
| Viva Acet | Liquid citric acid-based acidifying agent Optimum buffering of the pH-value in case of longer operation Non-hazardous handling To be used in the last rinse | 25 kg 75 kg |

Special products

| ¢ | Viva App States | Highy efficient iquid retexturing (sizing) for outerwear Especially developed for treatment of outerwear. The product provides the garments with a full voluminous handle; it gives them an excellent surface smoothness and revives their color In addition, the textiles receive an antistatic quality. The product also alleviates finishing of the goods | urs. | 20 kg 60 kg |
|----|--|--|-------------|--------------------------|
| | Viva Bac | Liquid conservation agent Active against bacteria, fungi and yeasts Reliably prevents re-contamination To be used in the rinsing zone and in storage tanks | | 20 kg 60 kg |
| TW | Viva Brillant | Liquid additive for enhancing whiteness Optimum whiteness degree with minimum dosage Can be combined with all detergents To be used for all kind of whites | 40°C - 90°C | 20 kg 60 kg |
| | Viva odoSorb | Liquid odour-neutralizer Reliably eliminates unpleasant odours Contains water-soluble active substances Can be used in the wash or rinse bath according to procedure For all kind of textiles | | 20 kg 60 kg 200 kg |
| | Viva Relax | Hydrophilic textile refining agent Higher dehydration capacity Shorter drying time resulting in energy saving Elevated wearing comfort Fluffy handle and high absorption capacity | | 20 kg 60 kg 200 kg |



SEITZ Disinfectants

Our offer of disinfectants would go beyond the framework of this brochure. Please ask for our **Surface** Brochure in which you will find many of our innovative and highly active cleaning and disinfecting products either for hands (**Destec Bavicid Hand**), or surfaces (**Destec Bavicid Go - Ready to use**) or floor (**Destec Bavicid Floor - concentrate**). All our disinfectant products are listed with VAH and have proved their effectivity in daily use.

Dester Prov

Technical competence in theory and practice



SEITZ – Consulting and Service

If you decide to use SEITZ products, you are trusting in a traditional company that not only specialises in pure product sales, but also supports you personally with comprehensive service. The trained employees of our application technology and field service use their outstanding specialist knowledge and long experience to make work with our products and procedures as pleasant as possible.

As you could learn in the brochure, we offer a comprehensive concept that was specifically developed for each goods type. Well thought-through construction kit systems for perfect textile care.



Impressive application technology

We offer overall solutions for washing, wet and dry cleaning.

We offer a wide product range for dosage of our products. Dosage pumps and our technology department ensure individual and precise solutions for dosage of chemicals. Make an appointment with our field service employees right away!

Consulting and training of your staff

SEITZ offers extra-occupational trainings and helps simplify handling and avoid errors. The offered trainings turn your employees into outstanding specialists and end with a qualification test.



POSSIBLE SUBJECTS INCLUDE: washing procedures, product use, hygiene and quality standards, fibre science, care marking, goods sorting, detachment training and complaint handling. Your employees will be kept up to date on all subjects and new employees will be trained to become competent users without delay.

Ask about our comprehensive services and offers.

WE WILL SUPPORT YOU WITH ACTION AND ADVICE

Good to know:

We have available for you, detailed information regarding the properties and use of our various products in form of technical leaflets (MSDS) and separate product brochures. Our process application technicians and external technical sales staff will advise and assist you on the phone or at your site. In critical cases, we will be available to support you with detailed technical advice, textile inspection and investigation, or by laboratory analysis.











Support

Benefit from the knowledge of our team! Our competent national and international process application technicians will support you with their extensive knowledge and practical experience, regardless of whether this involves the correct and proper use of SEITZ products only. For technical innovations or for the optimization of your operations, do not hesitate to contact us to arrange an appointment.

Laboratory

We gain important knowledge with a specialist team by means of a modern laboratory facility. This enables us to create new products and to develop innovative procedures for progress, these are the main tasks of our laboratory. Professional competence and expertise, combined with solid fundamental research, enable us to continuously adapt our products to modern machines and process technologies as well as to consider even the most exacting product requests by our customers and to guarantee supreme quality.

Technology

However, developing products is only one aspect of our wide range of technical and support functions. In order to satisfy economic and ecological requirements in the 21st century SEITZ is dedicated to the development of innovative technologies, working alongside our partners to achieve the best technological solutions for our customers. In our technical department, we do all that is necessary to reduce work for you: to simplify handling, to optimize operations and to reduce costs. In all our activities, personal health and safety and protection of the environment are of paramount importance.

Production

Raw material stock-holding to meet the manufacturing needs of modern production plants ensures the quick, secure, safe and environmentally friendly production of high quality products. By means of a central electronic control system, the raw materials are precisely added to the mixing tanks and all the subsequent chemical blending is supervised. Consistent quality of our raw materials, their exact dosage and continuous control pf quality assurance are the keys to our success.

International

SEITZ products are used worldwide. In Germany alone, we service more than a thousand customers. Almost 50% of our production is exported. It is our objective to do more than merely supply products. We develop and sell concepts and entire solutions which open up a range

of opportunities for our customers to consolidate and improve their business activities in today's market while working against severe competition and at the same time differentiat-



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Products for Professional and Hygienic Laundering

USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.