

The Plus for Infection Prevention.

Innovative solutions
for medical institutions.
2021/22



we protect lives
worldwide

More than 130 years of pioneering spirit, innovation and quality.



We protect lives worldwide.

Our products and services protect people from infections and materials from contamination. Prevention plays also a crucial role here, as preventing an infection is much easier than fighting it.

This is an important aspect in a world that has become globalized. Borders are abolished, distances become shorter and can be overcome more quickly. Intercontinental travelling has become mainstream, allowing micro-organisms to travel invisibly and undetected as stowaways: a risk that must not be underestimated.

Often, symptoms are combated rather than risks considered. This creates dangerous gaps in the hygiene chain. Our aim is to close this gap using our holistic approach, which, in addition to effective products and a wide range of services, also includes a particularly competent advice.

Our hygiene competence is based on 130 years of experience in successfully combating pathogens of any kind. Now, as then, numerous innovations underline our ability to recognize new microbiological challenges and to develop solutions.

We are committed to protecting the environment in all of our company's activities. Protection of resources and socially responsible behaviour are a main priority in product development at schülke.

Traditionally, we maintain a vivid and open relationship with our customers and business partners. Our aim is to make this relationship a partnership at all levels, as exchanging experiences on a regular basis develops hygiene competence, leads to progress, and ultimately to mutual success.



Efficient hygiene management ensures medical care and economic success.



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Procedures and products for all worldwide challenges.

Hygiene at the highest level using procedures and products by schülke.

Ensure quality. Reduce costs.

The constant change of structure of the hospital market causes German hospitals to optimise quality assurance and the efficiency. Modified legal requirements demand cheaper and better services.

Alongside procedures and products which have already helped to close the gaps and solve problems in the hygiene chain. Hand and surface disinfection, reprocessing of instruments and wound management play a big role, as the prevention of infections is a lot easier and cheaper than fighting the infection.

schülke offers these solutions in the form of a harmonised product portfolio with numerous application areas, which ensure the optimal preparation for the various challenges and the constantly changing market.

Recognising, avoiding and combating infections remains a decisive factor when assuring quality. Thanks to schülke, Germany is on top of the international country comparison for hospital hygiene.



Content

schülke products overview:

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An easy way to get all information:



1. QR-Code



2. Scan QR-Code (with matching app)



3. Read online information

Hygiene has a name: schülke.

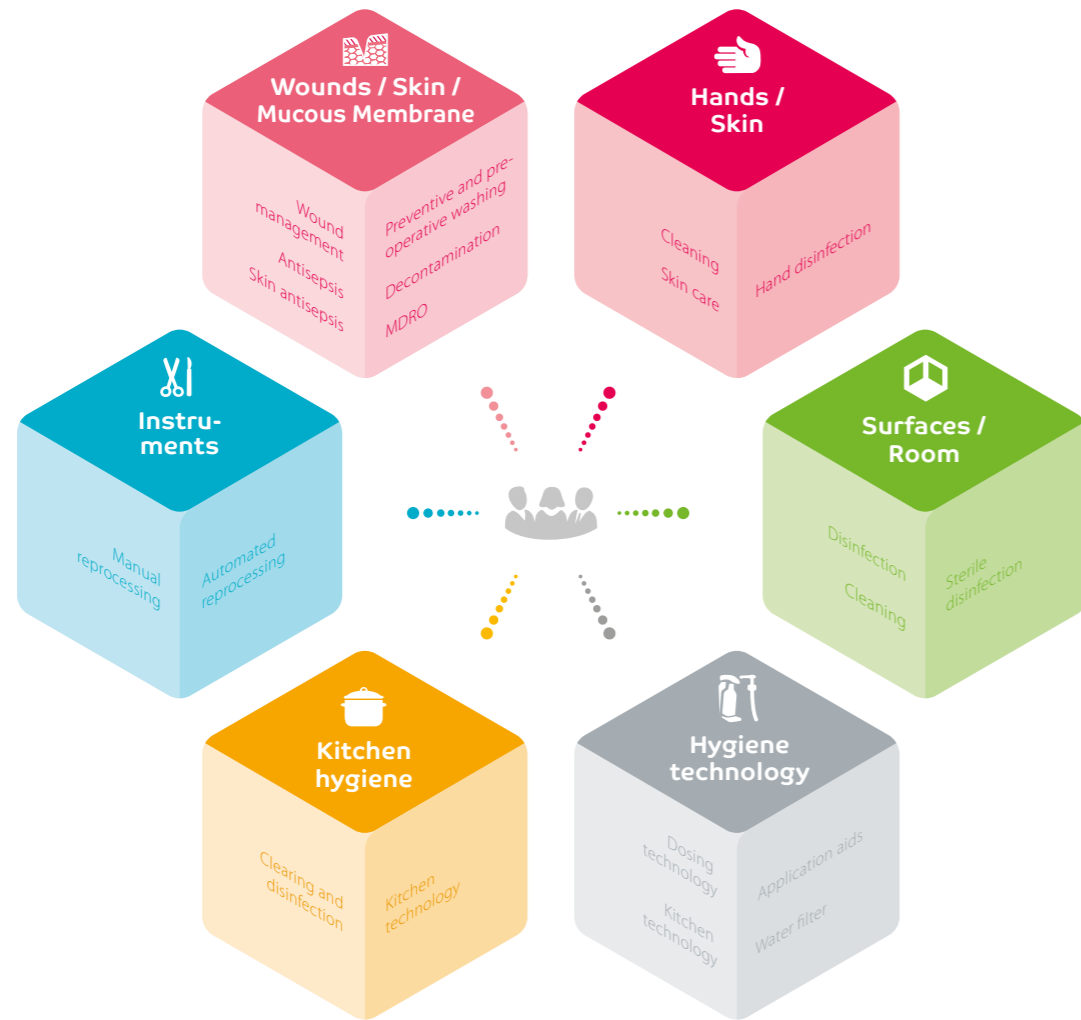
'The teaching of preventing disease and maintaining, promoting and stabilising health.'

This is how the DGHM (German Society for Hygiene and Microbiology) defines hygiene. Our research, development and production, along with constant quality assurance, all follow on from this idea.

Numerous new processes and products have already been developed, solving each microbiological challenge as it arose.

We are continuing to develop products ensuring clean hospital environments in the future.

We offer our clients a wide range of products and services fulfilling all hygiene-related requirements for outstanding quality, effectiveness and safety in use.



The products and services presented in this brochure are not available in every country. If you have any questions or comments please contact one of our subsidiaries (listed on the back) or your local distributor for more information.

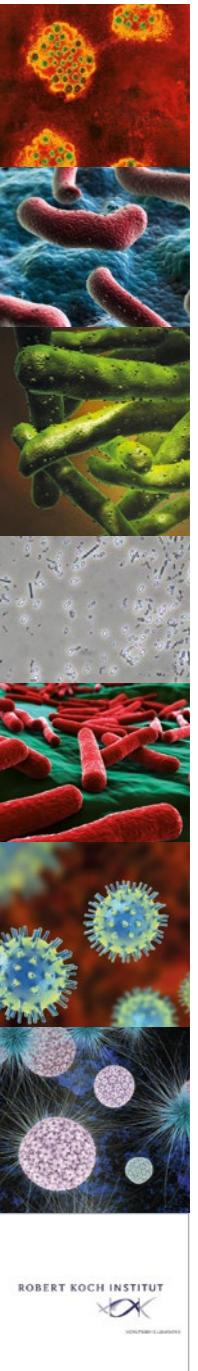
Easy, colourful identification.

Our information icons for fast identification.

They show which pathogens, which mode of action and which properties are important for the individual products.

In the brochure these information icons appear wherever the use of schülke products is mentioned explicitly.

- NORO** **Norovirus** (symbol used in the areas skin / hands and surfaces)
Noroviruses are the leading cause of non-bacterial gastrointestinal infections. The virus is transmitted via the faeces and orally. Immunocompromised patients in particular suffer from serious consequences of the infection. These viruses are particularly stable and can thus stay on surfaces for a relatively long time. Effective prevention can be achieved with professional hygiene; treatment with tested products proven to be effective against norovirus (MNV).
- C. DIFF** **Clostridium difficile** (symbol used in the area of surfaces, instruments)
Clostridium difficile is a spore-forming bacterium that is capable of causing various forms of diarrhoea and bowel diseases with serious consequences, which can be particularly dangerous for elderly patients and children. Preparations containing oxidising active substances or products with proven sporicidal activity should preferably be used for disinfection.
- TB** **TB** (symbol used in the area of the skin / hands, surfaces, instruments)
Tuberculosis (abbreviated TB) is an infectious disease that most commonly affects the lungs and is caused predominantly by mycobacteria. The prevalence of extremely drug-resistant TB strains is particularly worrying. Mycobacteria remain infectious for many hours in the ambient air and on the hands, the skin, surfaces and surgical instruments. Disinfectants with suitable active substances and a broad spectrum of activity can be used for prevention and control. Their efficacy should be ensured by the special test instructions for mycobacteria of the European standards EN 14348 and / or EN 14563.
- SPORICIDAL** **Sporicidal** (symbol used in the area of surfaces, sterile products, instruments)
Sporicidal efficacy refers to a product's ability to decrease the number of viable bacterial spores of certain test microbes under predefined conditions.
- BAC** **Bactericidal** (symbol used in the area skin / hands, antiseptic, surfaces, sterile products, instruments)
The term bactericidal is used to describe active substances or active substance solutions that damage the bacteria so severely that they trigger the irreversible cell death of the pathogens. Bacteria can be transmitted through droplet infection, via the hands, skin, surfaces and instruments. Bactericidal disinfectants reduce or in the best case prevent the transmission of infections through bacteria.
- VIRUCIDAL PLUS** **Limited Spectrum Virucidal Activity** (symbol used in the area of the skin / hands, surfaces)
Limited Spectrum Virucidal Activity is the term applied to active agents or disinfectants which attack certain non-enveloped viruses such as adeno, noro, and rotavirus viruses (adeno, noro, rota), including enveloped viruses such as HIV, HBV or HCV so strongly that they irreversibly damage or inactivate the pathogen. Active disinfectants with the Limited Spectrum Virucidal Activity are very good all-year-round products. A changeover to other products due to seasonal differences in the viral pathogens is unnecessary.
- VIRUCIDAL** **Virucidal** (symbol used in the area of the skin / hands, surfaces, sterile products, instruments)
Virucidal refers to disinfectants that attack viruses so severely that they irreversibly damage or inactivate the pathogen. Viruses can be transmitted through droplet infection, via the hands, skin, surfaces and instruments. Virucidal disinfectants reduce or in the best case prevent the transmission of infections through viruses and virucidal efficacy includes efficacy against enveloped viruses and non-enveloped viruses including adeno, noro, rota and poliovirus.
- RKI LISTED** **RKI-listed** (symbol used in the area of the skin/hands, surfaces)
The list of the German Robert Koch Institute details all disinfectants and procedures mandated only in specific outbreak situations by the Medical Officer. The Robert Koch Institute researches and documents communicable diseases in humans. It has been operating independently for more than 100 years and combines basic and applied research. For more information visit: www.rki.de/DE/Content/Infekt/Krankenhaushygiene/Desinfektionsmittel/Desinfektionsmittelliste/Desinfektionsmittelliste_node.html



More information about germs: <https://www.schuelke.com/intl-en/unsere-expertise/infektionserreger.php>

Everything regulated!

For maximum safety in the use of medicinal products, cosmetics, medical devices and biocides.

Before products reach the market, they must undergo test procedures which are standardized throughout Europe and with which their microbiological efficacy is verified.

Depending on the product category (medicinal products, cosmetics, medical devices and biocides) and areas of application (antisepsis, use on surfaces, instruments, hands, skin), a wide variety of legal and regulatory requirements must be met. These requirements increase not only the safety of the products for patients, users and third parties, but also enable product performances to be compared.

Important: Vigilance in the pharmaceutical industry.

In the proper sense of the word, vigilance means 'alertness' or even 'watchfulness'. Products are monitored and assessed throughout their entire life cycle of manufacture, marketing and sale. This system guarantees maximum safety.

Disinfectant tests have methods.

In its standard methods, the VAH (Association for Applied Hygiene) describes the test specifications which chemical disinfectants must meet in order to be considered effective. It also includes the requirements of the European standards of the CEN TC216. This should ensure that test methods are harmonised in Europe. For each area of application (surface, instrument and hand disinfection), there are specially developed test methods in Europe. An exception is skin antisepsis: In this field there is still no coordinated European test method available or defined and thus such products must be tested in Germany according to the national standard method 13 of the requirements and methods for VAH certification of chemical disinfection procedures. To prove virucidal efficacy for all areas of application, there are national as well as European test methods available.

Our products are allocated to various product categories.

Disinfectants are subdivided into the product categories of medicinal products, medical devices and biocidal products. Hand and skin cleaners and skin-care products are in the cosmetics category. Different legal and regulatory requirements apply to each individual product category.

Here is a brief overview of the individual product categories:

Medicinal products:

Disinfectants count as medicinal products when the products are used for disinfecting mucous membranes or wounds and serve to prevent or treat infections. Before these products can be marketed, they must be reviewed in Germany by the BfArM (Federal Institute for Drugs and Medical Devices) with regard to their quality, safety and efficacy. Approval is granted on the basis of EU Directive 2001/83/EC which was translated into national law in each European Member State. The corresponding national law in Germany is the German Drug Law (AMG).

Cosmetics:

Products for external hand and/or skin cleaning, skin care or skin protection. An 'antimicrobial effect' can be listed as a secondary claim but it cannot be the main purpose of the product. Since July 2013, all cosmetic products on the European market must be registered at the Cosmetic Product Notification Portal (CPNP). Regulation 1223/2009 on Cosmetic Products applies to cosmetic products.

Medical devices:

Products which are used on humans for the purpose of preventing illnesses and which, in contrast to medicinal products, have primarily physical effects (bandages, visual aids, medical instruments, wheelchairs). A main pharmacological effect as in the case of medicinal products is to be excluded. The medical devices category includes, among others, cleaners and disinfectants which are used for the reprocessing of medical surfaces and objects:

- preparations for medical surfaces and fixtures,
- preparations for manual reprocessing of medical instruments,
- preparations for automated instrument reprocessing and
- preparations for the reprocessing of medical instruments in washer-disinfectors.



Medical devices must undergo a comprehensive assessment procedure (conformity) and be notified according to the local requirements e.g. BfArM office Cologne (Federal Institute for Drugs and Medical Devices) in Germany. Thereafter the manufacturer may use the CE mark. The product may then be marketed in the EU. The EU directive 93/42/EEC, which was transformed in each European Memberstate in national law, still applies for a transitional period. In April 2017, the EU Parliament adopted the Medical Device Regulation 2017/745 MDR which will replace the EU Directive and came into force on 26.05.2021.

Biocidal products:

Active ingredients or preparations which chemically or biologically destroy harmful organisms (e.g. bacteria, viruses) or inhibit their effects. Biocidal products are, for example, industrial hand disinfectants or disinfectants for use on general surfaces (e.g. floors). Effects against

certain microorganisms or according to standards (e.g. 'Hygienic hand disinfection according to EN 1500' or 'Disinfection of all types of surfaces') may be claimed. The statement 'curing or preventing a disease' is not permissible. A special feature regarding biocidal products is that the active substances must be approved and the biocidal products must be authorized. The Biocidal Products Regulation 528/2012 applies to biocidal products.

Dual-Use:

In the medical-pharmaceutical communication, this stands for products with an intended use in two areas of application equally (here medical devices and biocidal products). The legal regulations of both product categories must be met. The 'dual use claim' contains a specially designed label which clearly marks the areas of application and contains the respectively valid instructions for use.

Listings – Which area of application appears in which list?

The VAH list is valid for routine disinfection and indicates disinfectants which are effective against bacteria, mycobacteria and fungi.

The IHO virucide directory includes disinfectants with virucidal efficacy (i.e. Virucidal activity against enveloped viruses, Limited Spectrum Virucidal Activity, Virucidal activity, relevant individual viruses) for hand, surface and instrument disinfection.

The RKI list is only valid in the case of officially ordered decontaminations.*



Sources:
<https://vah-online.de/en/>
<https://www.desinfektionsmittelliste.de>
<https://www.rki.de/EN/>

* Only in Germany



➤ Successfully minimizing the risk of infections in the clinical routine.

Optimal hygiene protects against invisible threats.

Effective solutions for hands and skin.

In the daily clinic routine, hands and skin are the focus of attention if infections are to be prevented.

While having constant contact with patients, instruments and surfaces it is important to have the optimal protection – for yourself and the patients.

skin, ruptures and small wounds are like an invitation to all kinds of germs, which spread on the skin. Hands have the highest transmission risk.

The human hand is in continuous contact with sources of danger during the daily routine in the clinic. Especially hands are the biggest risk of transmitting germs! Due to this risk, the state of the skin plays a decisive part. Dry

Professional hand hygiene and skin protection are therefore important preventive measures to protect staff and patients. Properly performed, hygienic disinfection reduces the germ load by up to 99.9 %.

schülke – Hand hygiene system



schülke has got everything to threaten germs: hand disinfection, skin care, hand & body wash.

Hands Skin	Specifications	Listings	Efficacies	Page
Hand disinfection	Hygienic hand disinfection (EN 1500) Surgical hand disinfection (EN 12791) Hygienic hand wash (EN 1499)	VAH - listing IHO virucidal list tested according to European Norms	bactericidal (EN 13727) tuberculocidal (EN 14348) levurocidal (EN 13624) fungicidal (EN 13624) enveloped viruses (EN 14476 / DW) Limited Spectrum Virucidal Activity (EN 14476) virucidal (EN 14476) Poliovirus (EN 14476) Adenovirus (EN 14476) Norovirus (MNV) (EN 14476) Rotavirus (EN 14476 / DW)	
desderman® care	30 sec. 1.5 min.	• • •	15 sec. 15 sec. 15 sec. 1 min. 15 sec. 15 sec. 30 sec. 30 sec. 15 sec. 15 sec. 15 sec.	19
desderman® care gel	30 sec. 1.5 min.	• • •	15 sec. 30 sec. 15 sec. 15 sec. 1.5 min. 1.5 min. 1.5 min. 15 sec. 15 sec.	19
desderman® pure gel	30 sec. 1.5 min.	• • •	30 sec. 30 sec. 30 sec. 30 sec. 2 min. 2 min. 1.5 min. 2 min. 15 sec. 15 sec.	19
desmanol® pure	30 sec. 1.5 min.	• • •	30 sec. 30 sec. 15 sec. 15 sec. 2 min. 2 min. 2 min. 30 sec. 15 sec.	20
desmanol® pure gel	30 sec. 1.5 min.	• • •	30 sec. 30 sec. 30 sec. 30 sec. 2 min. 2 min. 2 min. 30 sec. 15 sec.	20
primasept® wash	30 sec.	•	30 sec. 30 sec. 1 min.	20
schülke optics lotion			for training purposes	23

For regulatory reasons (in particular changes in standards), claims for individual products may change at any time. For binding, current recommendations for use and efficacy, please refer exclusively to the product-specific documentation or visit www.schuelke.com.

Hands Skin	Application area	Characteristics	Page
Washing and care	Cleaning with water Cleaning without water Skin care Skin protection Special treatment	colour free perfume free soap free rich skin care soft skin care	
Hand and body wash			
sensiva® wash lotion	•	• • •	26
esemtan® wash lotion	•	•	26
s&m wash lotion	•	•	26
esemtan® wash mitts	•	•	27
esemtan® cleansing foam	•	•	27
Hand and skin care / protection			
sensiva® protective cream	•	• • •	30
sensiva® protective emulsion	•	• • •	30
sensiva® dry skin balm	•	• • •	30
sensiva® regeneration cream	•	• • •	30
esemtan® skin lotion	•	• • •	31
esemtan® dry skin balm	•	• • •	31
esemtan® active gel	•	• • •	31

For regulatory reasons (in particular changes in standards), claims for individual products may change at any time. For binding, current recommendations for use and efficacy, please refer exclusively to the product-specific documentation or visit www.schuelke.com.



Use disinfectants safely.
Always read the label and product information before use.

Use disinfectants safely.
Always read the label and product information before use.

- ▶ Hand disinfection eliminates germs.



It's in your hands.

The hand is the most versatile tool in the world and the most essential for humans.

'Can there be a greater contradiction than a hospital-acquired infection?'

Hand hygiene is the most important preventive measure.

Despite all modern technology, the hand is in constant use in hospital routine and in permanent contact with equipment and patients. Most nosocomial infections can be avoided by the correct hand disinfection.



'Clean Hands Campaign': schülke supports the cause.



The 'Clean Hands Campaign' is a national campaign to help improve hand disinfection compliance in German healthcare facilities. The importance of hand disinfection in the prevention of nosocomial infections (health-care-associated infections) is at the heart of this campaign.

- Employee compliance with hand disinfection has a direct impact on the transmission of pathogenic organisms and the development of nosocomial infections.
- Hand disinfection is not a choice or an opportunity.**

Due to the sheer quantity of possible situations, the WHO has created a model which identifies five key moments of hand hygiene, named 'My 5 Moments of Hand Hygiene'. The key moments are described as 'BEFORE' and 'AFTER' contact; however, this wording does not necessarily refer

to the start and end of a care sequence or activity. They are defined as movements between various areas (direct and extended patient surroundings, colonised and non-colonised body parts).

- Do nursing staff and doctors reside in the immediate vicinity of patients or do they reside some distance away from them?
- Is there any contact with colonised or non-colonised regions of the body?

The 'Clean Hands Campaign' was funded by the Federal Ministry of Health from 2008 – 2013. The association ASH, which is comprised of various organisations, has existed since 2014. schülke, as an official partner and pioneer in hand disinfection – boasting more than 100 years of experience, supports this cause.

www.aktion-sauberehaende.de (German Homepage)
<https://www.who.int/gpsc/en/> (International Homepage)

* JOHANN PETER FRANK, a founding father of public hygiene

** Source: PITTET, D.; et al.; *Effectiveness of a hospital-wide programme to improve compliance with hand hygiene.* The Lancet Vol 356; 2000 1307–1312

Hand hygiene in the focus.

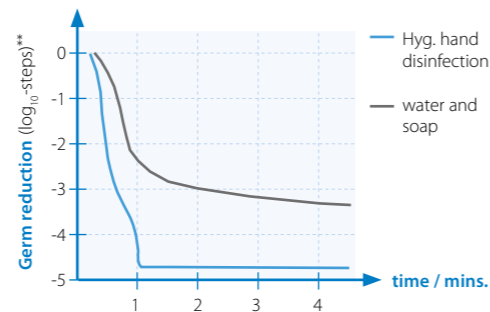
Hygienically clean – all along the (guide)line!

Hygienic hand disinfection barely affects the skin's own – resident – bacterial flora. The foreign – transient – bacterial flora is eliminated first and foremost. These contamination germs carry a high risk of infection, as they include pathogenic germs and vital pathogens.

It is essential to carry out hand disinfection*

- 1 | BEFORE patient contact
- 2 | BEFORE an aseptic activity
- 3 | AFTER contact with possibly contaminated materials
- 4 | AFTER patient contact
- 5 | AFTER contact with the direct environment of the patient

* Source: Information brochure 'Clean Hands Campaign' according to the recommendation of the WHO



** Reduction of 3 log₁₀-steps means a reduction of 99.9 % of the germs.

Alcoholic hand disinfectants. Compatible for all skin types.

Alcohol-based hand disinfectants contain high concentrations of ethanol, 1-propanol and/or 2-propanol in varying proportions. There is always the question of the skin compatibility of these high amounts of alcohol. Unlike water and soap, alcohol does not significantly change the skin's own pH value with frequent use. This helps to preserve the skin-protective properties of the natural acid mantle of the skin. The type of alcohol and its concentration in the product are responsible for efficacy, skin compatibility and subjective preferences.

In very rare cases, the alcohol used in hand disinfectants are responsible for the formation of a contact allergy. When using alcohol-based rubbing preparations, the alcoholic component evaporates very rapidly. In the process, the important skin lipids are dissolved, but they are not removed; instead, they are redistributed – the skin's fatty film remains intact.

In addition, the high-quality disinfectants made by schülke also increase skin protection through the addition of moisturising-retaining substances, nurturing additives and emollients that restore the lipid.



Time-pressure is no excuse: Compliance in the daily hospital routine.

Hygienic hand disinfection requires consistency.

What is a compulsory process prior to every intervention in the operating room (surgical hand disinfection), has to be performed just as consistently in the daily hospital routine – **hygienic hand disinfection**.

It is an undisputed thought that hygienic hand disinfection takes time and interrupts the work process. However, it is also indisputable that hands are the primary transmitters of microbial pathogens. The close contact between physicians, nurses, aids and patients undeniably becomes a risk of transmission. The potential dangers associated with this can only be reduced by consistent and repetitive hand disinfection!

Reasons given for not performing hand disinfection (according to the EURIDIKI study of hygienic hand disinfection):

- forgetfulness / laziness
- lack of training or knowledge
- time pressure, lack of time
- fear of possible skin problems
- lack of awareness of the problem

Hand disinfection that is not performed is also a psychological problem. It is considered a preventive measure – but not always a vital measure at the same time.

However not only the pathogens, but also the extent of their danger is invisible!



Compliance – following guidelines and regulations.

In recent years, various studies have investigated the rate of regular hand disinfection and hand disinfection compliance in Germany.

These studies showed that the average compliance rate is low and was found to be around 50 %, whereby the results vary depending on the different professional categories and departments:

Studies for the compliance while doing a hand disinfection in Germany*

Way of observation	Compliance rate (%)		Author
	Average	Variation	
Announced observation	55.2	25.7 – 83.7	Eckmanns, 2001
Not announced observation	52.2	No information	Wendt, 2004
Announced and not announced observation	41.2	29.6 – 46.8	Eckmanns, 2006

* German source: Krankenhaushygiene + Infektionsverhütung, 30. Jahrgang, Juni 2008, Heft 3

Full protection all year round!

Effective hand disinfection 365 days a year – with the all-year-round products from schülke.

Norovirus infections increase in the cold winter months. For prevention and in case of an outbreak, the product is frequently changed. This is not only time-consuming, it also costs a lot of money and effort. As norovirus-effective products, the Robert Koch Institute accepts

preparations of proven efficacy against adenoviruses and murine noroviruses*. RKI-listed products with full virucidal efficacy acc. to DVV** need only be used if instructed by the public health officer.

In winter

viruses are extremely frequent; the norovirus is particularly common. In suspected cases no change of product is necessary: Outbreaks can be effectively reduced with schülke's hand disinfectants.

In autumn

the infection period begins - and the focus is therefore on hand hygiene as prevention. Hand disinfection from schülke – the protection against germs all year round!



In spring

no time-consuming change of hand disinfectant is necessary: all hand disinfectants from schülke remain effective against many seasonally occurring viruses and bacteria, including influenza viruses.

In summer

The schülke hand disinfection portfolio for staff and patients – the reliable protection against transmissible germs due to patient or surface contact.

Hand disinfectants that fulfill a limited spectrum of virucidal activity or are classified as virucidal according to EN 14476 inactivate Noroviruses. They can be used all year round for prophylactic disinfection.



Non-stop noro-effective!

desderman® care
(virucidal acc. to EN 14476)

- + with nourishing panthenol and vitamin E
- + excellent skin compatibility and outstanding skin feeling

desmanol® pure
(limited spectrum virucidal activity acc. to EN14476)

- + with nourishing panthenol
- + excellent skin compatibility and outstanding skin feeling

Comprehensive protection is always in season!

The advantages of preventive measures with norovirus-effective products are obvious:

- significantly lower number of norovirus cases, as a result, official decontamination orders by the authorities are required much less frequently
- lower costs due to use of standard preparations
- no change of product in suspected norovirus cases
- higher compliance in hand disinfection due to well proven skin tolerability

Use disinfectants safely. Always read the label and product information before use.

* Robert Koch Institute: Epidemiological Bulletin No. 18, 05/05/2014: p. 2
** German Registered Association for Combating Viral Diseases
*** Application and skin tolerability study (DermaTronnier, 2017).

Hand disinfection



desderman® care

Alcohol-based hand rub for hygienic and surgical hand disinfection with panthenol and vitamin E, without colour and perfume.

Our plus

- all-season product: protects safely against infections all year round!
- broad spectrum of efficacy (incl. viruses according to EN 14476)
- outstanding skin feeling through an innovative skin care formula (ProPanthenol-complex and vitamin E)
- care effect of the skin care formula clinically confirmed



Pack size

- Carton with 30 x 100 ml-bottles
- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- Carton with 10 x 1 l-euro bottles
- 1 x 5 l-canister
- Carton with 10 x 1 l-hyclick® dispenser bottles
- Carton with 20 x 500 ml-hyclick® dispenser bottles



Application aids



Dispensers and application aids from page 112

desderman® care gel

Alcohol-based gel for hygienic and surgical hand disinfection with panthenol and vitamin E, without colour and perfume.

Our plus

- all-season product: protects safely against infections all year round!
- broad spectrum of efficacy (incl. viruses according to EN 14476)
- outstanding skin feeling through an innovative skin care formula (ProPanthenol-complex and vitamin E)
- no dripping from the hands due to user-friendly gel formulation



Pack size

- Carton with 30 x 100 ml-bottles
- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- Carton with 10 x 1 l-euro bottles



Application aids



Dispensers and application aids from page 112

desderman® pure gel

Alcohol-based gel for hygienic and surgical hand disinfection, without colour and perfume.

Our plus

- all-season product: protects safely against infections all year round!
- broad spectrum of efficacy (incl. viruses according to EN 14476)
- excellent skin compatibility due to an established system of refatting agents
- no dripping from the hands due to user-friendly gel formulation



Pack size

- Carton with 30 x 100 ml-bottles
- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- Carton with 10 x 1 l-euro bottles



Application aids



Dispensers and application aids from page 112

Use disinfectants safely. Always read the label and product information before use.

Hand disinfection



hyclick® system

desmanol® pure

Alcohol-based hand rub for hygienic and surgical hand disinfection with panthenol, without colour and perfume.

- BAC
- TB
- VIRU
- CIDAL
- NORO

Our plus

- all-season product: protects safely against infections all year round!
- limited spectrum virucidal activity (in accordance with EN 14476)
- outstanding skin feeling through an innovative skin care formula (ProPanthenol-complex)
- care effect of the skin care formula clinically confirmed



Pack size

- Carton with 30 x 100 ml-bottles
- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- Carton with 10 x 1 l-euro bottles
- 5 l-canister
- Carton with 10 x 1 l-hyclick® dispenser bottles
- Carton with 20 x 500 ml-hyclick® dispenser bottles



Application aids

Dispensers and application aids from page 112



- BAC
- TB
- VIRU
- CIDAL
- NORO

desmanol® pure gel

Alcohol-based gel for hygienic and surgical hand disinfection with panthenol, without colour and perfume.

Our plus

- all-season product: protects safely against infections all year round!
- limited spectrum virucidal activity (in accordance with EN 14476)
- outstanding skin feeling through an innovative skin care formula (ProPanthenol-complex)
- no dripping from the hands due to user-friendly gel formulation



Pack size

- Carton with 30 x 100 ml-bottles
- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles



Application aids

Dispensers and application aids from page 112



- BAC

primasept® wash

Antimicrobial hygienic handwash with virucidal activity against enveloped viruses.

Our Plus

- effective against bacteria (incl. Salmonella and Listeria), yeasts and enveloped viruses (incl. HBV, HIV, HCV, Vaccinia)*
- gentle soap-free wash lotion with 4 % Chlorhexidine
- excellent cleansing power
- contains skin nourishing and moisturising ingredients
- free of colour and perfume
- dermatologically tested



Pack size

- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- 5 l-canister

Application aids

Dispensers and application aids from page 112



Hands | Skin

Hand disinfection

Matching application aids -> Hygiene technology from page 112

Application aids

Matching wall and bed holders for the 500 ml- and 1 l-bottles. Especially for areas which are close to the patient environment. Dispensers and application pumps for the safe use of the products.



Use disinfectants safely.
Always read the label and product information before use.



Recognize danger, stop danger!

Safety is lacking due to gaps in hand disinfection.

Germ – the invisible enemy, which can only be attacked through a thorough hand disinfection. The biggest problem is, that it is not possible to see if all skin areas have been wetted and thoroughly disinfected using only our eyes. Some skin areas, for example finger tips, thumbs or skin areas under jewellery are difficult to reach and often forgotten.

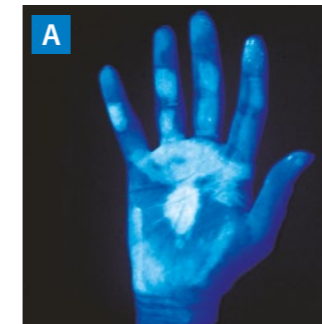
With schülke optics the security gaps are made visible:

schülke optics is a product which has had a fluorescent substance added for training and verification of hand disinfectant procedures.

Disinfect your hands according to the current standards and using your usual method.

To make gaps visible hold your disinfected hands under a UV-lamp (366 nm). Due to the fluorescent solution, non moistened parts of the hands appear dark – that way the effectiveness of the users hand disinfection procedure can be analysed closely.

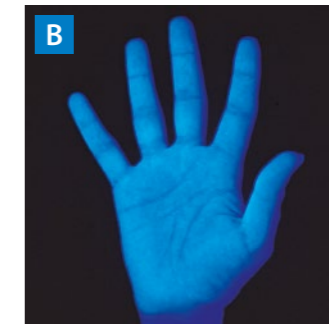
One hint: The darker the room or the area is, in which the UV-lamp is, the easier the results can be seen.



Pic. A:

Disinfected hands with gaps.

It is clearly visible that the parts around thumbs and finger tips are colored darkly. This means there are considerable gaps in moistening.



Pic. B:

Hand disinfection the right way!

No moistening gaps are visible – this proves that the hand disinfection procedure has been done correctly.



schülke optics | schülke optics lotion

For training and verification of hand disinfection procedures.

Our plus

schülke optics

- fluorescent solution for verification of hand disinfection procedures
- to supervise the results of rub in methods
- make gaps visible by means of UV-light

schülke optics lotion

- fluorescent solution for verification of glove permeability
- shows the permeability of gloves by means of UV-light

Pack size

schülke optics

Carton with 20 x 500 ml-bottles

schülke optics lotion

Carton with 20 x 500 ml-bottles

Application aids

Dispensers and application aids



from page 112

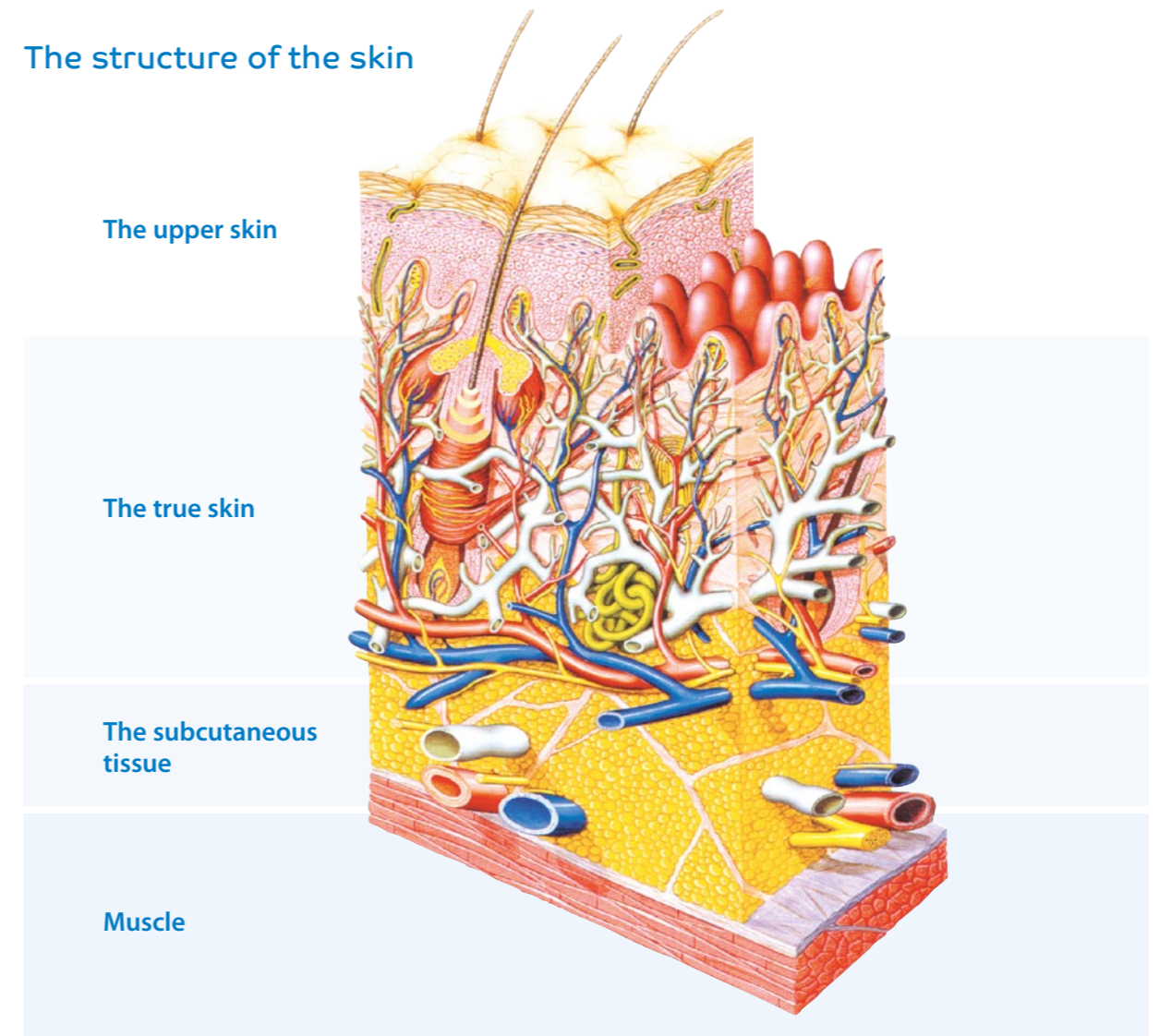
- Safety and care – no hand should be left out!



Our skin: The most ingenious packaging of nature!

Optimal skin protection with targeted skin cleansing and effective care.

The structure of the skin



The upper skin (epidermis)

is a tissue consisting of multiple layers of cells that constantly renew themselves – the germ layer, prickle cell layer, granular cell layer and cornified layer. Starting from the lowest cell layer, new cells are constantly formed which are then, in a constant cycle of about four weeks, shed from the cornified layer as corneocytes. In this way, the epidermis performs the most important protective functions against chemical and physical influences.

The true skin (corium)

consists of collagenous and elastic connective tissue fibres. The true skin is responsible for the firmness and resilience of the skin to mechanical influences. The dermis holds the skin's receptors as well as numerous blood vessels, adipose tissue, hair follicles, nerves as well as sebaceous and sweat glands. The dermis protects the body from temperature fluctuations and mechanical injuries.

The subcutaneous tissue (subcutis)

is the layer which connects to the deeplying muscle and organ tissues and consists of loose connective tissue, in which fat cells are embedded. The subcutis protects our organs from pressure and blows, for its fat stores act as shock absorbers. They also offer protection against the cold and store energy.

Hand and body wash



sensiva® wash lotion

Skin-friendly colour- and perfume-free wash lotion.

Our plus

- soap-free wash lotion on basis of skin-compatible surfactants
- gentle on skin
- mild cleaning
- colour-, perfume- and Lanolin-free
- dermatologically tested

Pack size

- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- Carton with 10 x 1 l-euro bottles
- 5 l-canister
- Carton with 10 x 1 l-hyclick® dispenser bottles
- Carton with 20 x 500 ml-hyclick® dispenser bottles

Application aids

Dispensers and application aids from page 112



esemtan® wash lotion

Skin-friendly wash lotion with selected care substances.

Our plus

- soap-free wash lotion with skin-compatible surfactant
- gentle on skin
- mild cleaning
- with a subtle scent
- dermatologically tested

Pack size

- Carton with 20 x 500 ml-bottles
- Carton with 10 x 1 l-bottles
- Carton with 10 x 1 l-euro bottles
- 5 l-canister
- Carton with 10 x 1 l-hyclick® dispenser bottles
- Carton with 20 x 500 ml-hyclick® dispenser bottles

Application aids

Dispensers and application aids from page 112



s&m wash lotion

Soap-free, hand and body wash lotion.

Our plus

- gentle on the skin, effective cleaning
- good skin and mucous membrane tolerance
- soap-/alkali-free und pH skin neutral
- preserves the protective layer of the skin

Pack size

- Carton with 20 x 500 ml-dispenser bottles
- Carton with 10 x 1 l-dispenser bottles
- Carton with 10 x 1 l-euro bottles
- Carton with 10 x 1 l-hyclick® dispenser bottles
- Carton with 20 x 500 ml-hyclick® dispenser bottles

Application aids

Dispensers and application aids from page 112



Hand and body wash



esemtan® wash mitts

For a quick, caring and gentle body wash without water.

Our plus

- directly ready to use and easy to use
- gentle on the skin, good cleaning
- pleasant scent
- dermatologically tested

Pack size

Carton with 24 x 10 wash mitts



esemtan® cleansing foam


Gentle cleansing foam.

Our plus

- gentle on skin, cleans effectively
- odour-covering
- leaves no sticky film behind
- with fresh scent
- dermatologically tested

Pack size


Carton with 10 x 500 ml-aerosol canisters



euro bottle
(picture desderman® care)

The euro bottle ...
... the alternative to the normal 1 l-bottles to be used in the KH dispenser.

Container	(L x W x H)
euro bottle	71.5 x 88 x 205 mm (210 mm incl. closure)
standard 1 l	102 x 79.5 x 197 mm (205 mm incl. closure)
standard 500 ml	65 x 72 x 163 mm (171 mm incl. closure)



Pic. KHK

Don't give pathogens the chance!

Effectively prevent fissures, cracks and eczema.

Whether external or internal influences irritate the skin, i.e. if too much physical stress is applied, the skin's own regeneration mechanisms are overstrained.

Our skin reacts noticeably: it itches, becomes rough, flaky or even cracks. Skin diseases can then develop. Eczema makes up about 90 % of the cases, while inflammatory, non-infectious disease of the epidermis and dermis make up the remaining 10 %. Regular and systematic preventative measures offer the best protection from skin irritations and the allergic contact eczema that frequently follows.

The following measures serve a successful prevention of skin diseases of heavily stressed hands:




- special skin protection / wearing of gloves (preparative)
- targeted and gentle skin cleansing
- effective skin care (reparative)

Each of these components is of equal importance for the protection of the skin.

Apply cream – but do it correctly.



- for hygienic reasons, the product should be extracted via pump or dispenser
- rub the product gently into clean / dry hands
- apply the product to the back of the hand and spread the cream with the back of the other hand
- afterwards also apply the cream to the fingers and finally to the inside of the hands
- while rubbing in, pay special attention to the areas between the fingers and the nail beds

What	Skin protection 	Skin cleaning 	Skin care 
When	<ul style="list-style-type: none"> • after breaks • on-the-go • before activities which cause risks for the skin 	<ul style="list-style-type: none"> • when soiling is visible • before breaks • after work 	<ul style="list-style-type: none"> • after activities which cause risks for the skin • morning and evening
With what (for example)	<ul style="list-style-type: none"> sensiva® protective cream sensiva® protective emulsion 	<ul style="list-style-type: none"> sensiva® wash lotion 	<ul style="list-style-type: none"> sensiva® dry skin balm sensiva® regeneration cream



Hand care

Skin protection  Skin care 



sensiva® protective cream

Particularly skin-friendly colour- and perfume-free protective cream.

Our plus

- improves the natural skin barrier
- protective cream (according TRGS 401 - German regulation)
- fast absorbing
- easy to spread
- does not reduce the effect of hand disinfection (desderman® pure and desmanol® pure)
- colour- and perfume-free
- dermatologically tested

Pack size

Carton with 30 x 100 ml-tubes



sensiva® protective emulsion

Colour- and perfume-free lotion for normal skin.

Our plus

- soft skin care
- moisturising
- fast absorbing
- easy to spread
- does not reduce the effect of hand disinfection (desderman® pure and desmanol® pure)
- colour- and perfume-free
- dermatologically tested

Pack size

Carton with 30 x 150 ml-bottles
Carton with 20 x 500 ml-bottles

Application aids

Wall holder for 500 ml-square bottles



sensiva® dry skin balm

Colour- and perfume-free care balm for dry and demanding skin.

Our plus

- rich skin care
- moisturising
- easy to spread
- does not reduce the effect of hand disinfection (desderman® pure and desmanol® pure)
- colour- and perfume-free
- dermatologically tested

Pack size

Carton with 30 x 150 ml-bottles
Carton with 20 x 500 ml-bottles

Application aids

Wall holder for 500 ml-square bottles



sensiva® regeneration cream

Intensive care and regeneration for demanding and weakened skin.

Our plus

- rich regeneration cream
- encourages skin regeneration
- colour- and perfume-free
- dermatologically tested

Pack size

Carton with 30 x 50 ml-tubes

Skin care

Skin care  Special treatment 



esemtan® skin lotion

Colour-free body care lotion for normal skin.

Our plus

- nourishing & moisturizing
- fast absorbing
- easy to spread
- colour-free & pleasant scent
- dermatologically tested

Pack size

Carton with 30 x 150 ml-bottles
Carton with 20 x 500 ml-bottles

Application aids

Wall holder for 500 ml-square bottles



esemtan® dry skin balm

Colour-free body care balm for dry and demanding skin.

Our plus

- rich skin care
- moisturizing
- easy to spread
- colour-free & pleasant scent
- dermatologically tested

Pack size

Carton with 30 x 150 ml-bottles
Carton with 20 x 500 ml-bottles

Application aids

Wall holder for 500 ml-square bottles



esemtan® active gel

Revitalising gel for stimulating blood circulation.

Our plus

- refreshing and revitalising thanks to essential oils
- fast absorbing
- targeted and economically applicable
- dermatologically tested

Pack size

Carton with 30 x 150 ml tubes
Carton with 20 x 500 ml-bottles

Application aids




Wall holder for 500 ml-square bottles

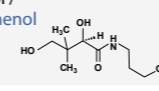

Cleaning with water  Cleaning without water  Skin care  Special treatment  Skin protection 

The content matters!

Overview of the selected ingredients in the schülke products.

Overview of the selected ingredients in the schülke products.

INCI-Name / Ingredient	Description	Hand disinfection			Hand and body wash			Hand care / Skin care									
		desderman® care	desderman® care gel	desderman® pure gel	desmanol® pure	desmanol® pure gel	primasept® wash	sensiva® wash lotion	esemtan® wash lotion	esemtan® wash mitts	sensiva® protective cream	sensiva® protective emulsion	sensiva® dry skin balm	sensiva® regeneration cream	esemtan® skin lotion	esemtan® dry skin balm	esemtan® active gel
(Hexadecyl/octadecyl) (2-ethylhexanoat) / Cetearyloctanoat	• re-fattening agent • fatty acid esters		•								•						
Allantoin / Allantoin 	• soothing • nourishing • emollient • protective					•	•	•	•	•	•					•	
Bisabolol / Bisabolol	• inflammatory • nourishing • active substance of the • camomile oil														•		
Butyrospermum Parkii Butter / Sheabutter 	• nourishing • moisturizing • fat from the shea tree nut														•		
Cera Alba / Beeswax	• nourishing • protecting														•		•
Cetearyl Alcohol / Cetearyl Alcohol	• emulsion stabilizer • consistency agent			•	•												
Cetearyl Ethylhexanoate / Cetearyl Ethylhexanoate	• emollient • oil structure similar to the - uropygial gland fat														•		
Ethylhexylglycerin / Ethylhexylglycerin	• nourishing • moisturizing			•	•		•	•									
Glycerin / Glycerin	• moisturizing														•	•	•
Glyceryl Stearate / Glyceryl Stearate	• emulsion stabilizer • consistency agent															•	•
Hamamelis Virginiana Water / Hamamelis Virginiana Bark / Leaf / Twig Extract 	• astringent • tannin • nourishing • protective • extract from different parts of witch hazel														•		
Hydrogenated Castor Oil / Rhizinus Oil	• nourishing • Esters with hydrogenated castor oil														•		
Isopropyl Myristate / Isopropyl Myristate	• nourishing • refattening • fatty acid esters	•	•	•													
Lauryl Glucoside / Zuckertensid	• cleaning • non ionic • nourishing (does alleviate the irritative effect of Sodium Laureth Sulfate)														•	•	

INCI-Name / Ingredient	Description	Hand disinfection			Hand and body wash			Hand care / Skin care									
		desderman® care	desderman® care gel	desderman® pure gel	desmanol® pure	desmanol® pure gel	primasept® wash	sensiva® wash lotion	esemtan® wash lotion	esemtan® wash mitts	sensiva® protective cream	sensiva® protective emulsion	sensiva® dry skin balm	sensiva® regeneration cream	esemtan® skin lotion	esemtan® dry skin balm	esemtan® active gel
Magnesium Sulfate / Magnesium Sulfate	• stabiliser																
Olus Oil / Olus Oil	• fatty acid triglycerides from oil • nourishing																
Panthenol / Dexpanthenol 	• nourishing • provitamin B5 • regenerating • wound-healing	•	•				•	•									
Potassium Sorbate / Potassium sorbate	• preservative (food additive substance E211)																
Propylene Glycol / Propylene Glycol	• moisturizing																
Simmondsia Chinensis (Jojoba) Seed Oil / Jojoba Oil 	• nourishing																
Sodium Benzoate / Sodium benzoate	• preservative (food additive substance E211)																
Sodium Chloride / Sodium chloride	• thickening																
Sodium Hydroxide / Sodium hydroxide	• pH-regulation																
Sodium Laureth Sulfate / Sodium laureth sulfate	• cleaning																
Sodium Polyacrylate / Sodium Polyacrylate	• gel former																
Sorbic Acid / Sorbic Acid	• preservative (food additive substance E200)																
Sorbitol / Sugar Alcohol	• nourishing • moisturizing	•	•	•													
Stearic Acid / Stearic Acid	• re-fattening • stabilizing																
Tocopherol / Vitamin E	• nourishing • antioxidant	•	•														
Zinc Stearate / Zinc Stearate	• stabilizing																

The active substance octenidine. Antiseptic. Effective. Well tolerated.

Without a doubt the right antiseptic agent for mucous membranes and wounds.

The innovative active substance octenidine, which was developed by in-house research at schülke, was born in the mid-1980s.

While searching for an antiseptic agent for the oral mucosa, researchers synthesised octenidine for the first time and discovered the particular efficacy and tolerability of this active substance.

The active substance's success story started with octenisept®:

octenisept® was launched as a mucosal antiseptic agent in 1990.

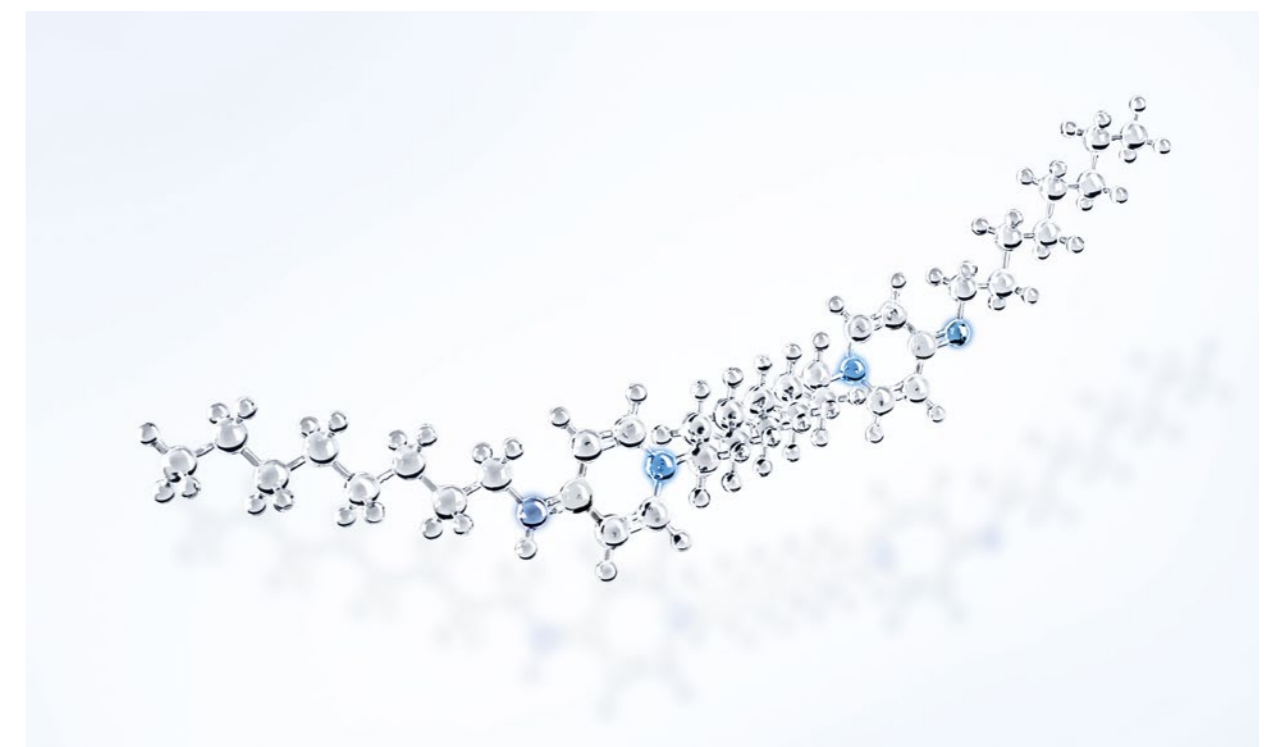
Only a few years later (1995) the marketing authorisation was extended to include antiseptic wound care.

In a very short period of time, in Germany octenisept® grew to become today's market leading position in wound and mucosal disinfection*.

Thanks to the broad field of application of the active substance, the brands octeniderm®, octenisan® wash lotion, octenident® mouthwash and octenilin® wound irrigation solution were launched for the various areas of application in the following years.

The advantages of the active substance octenidine:

- broad antiseptic spectrum including bacteria, fungi, enveloped viruses
- rapid onset of action (max. 2 min.) and 48 hour residual effect
- very good skin, mucosal and tissue tolerability
- extremely low allergy potential
- no known formation of resistance
- suitable for pregnant women (after 3rd month), infants and prematures**



* Source: IMS Health, DKB consumption data sales 2019 (in Germany)
** Please pay attention to the instructions for use

Important user information see page 49

Wounds | Skin | Mucous membrane



30 YEARS
octenisept®

schülke has got everything to threaten germs: Wound, skin and mucous membrane antiseptics & MDRO decontamination.



➔ Infection prevention with octenidine.



Important user information see page 49

Wound Skin Mucous membrane		Application area								Listings	Efficacies					Page			
		Wound antiseptics	Wound management	Skin antiseptics	Mucous membrane antiseptics	Mouth rinsing	MDRO decontamination	Hair- and scalpcleaning	Body wash	Skin care	VAH - listing	tested on Euro norms	bactericidal	MRSA	enveloped viruses	Adenovirus	Rotavirus	Herpes simplex-virus	
Wound and mucous membrane antiseptics and wound care	octenisept®	•			•	•					•	15 sec.	15 sec.	15 sec.			15 sec.	38	
	octenilin® wound gel		•															38	
	octenilin® wound irrigation solution for debridement with schülke wound pad		•															38	
	octenicare® repair creme								•									39	
Skin antiseptics	kodan® tincture forte colourless coloured			•							•	•	15 sec.	15 sec.	15 sec.	10 min.	15 sec.	15 sec.	39
	octeniderm® colourless			•							•	•	15 sec.		15 sec.	1 min.	30 sec.	15 sec.	41
MDRO decontamination	octenisan® wash lotion					•	•	•					15 sec.					44	
	octenisan® wash mitts					•	•	•										44	
	octenisan® wash cap					•	•											44	
	octenisan® md nasal gel					•												45	
	octenident® mouth wash				•													45	
	octenisan® set					•	•	•										47	

For regulatory reasons (in particular changes in standards), claims for individual products may change at any time. For binding, current recommendations for use and efficacy, please refer exclusively to the product-specific documentation or visit www.schuelke.com.

Use disinfectants safely.
Always read the label and product information before use.

Important user information see page 49

Wound and mucous membrane antiseptic and wound care



octenisept®

Painless wound and mucous membrane antiseptic.

octenisept® – established in the wound antiseptics in hospitals

Our plus

- painless application
- broad antiseptic spectrum of activity
- rapid onset of action from 1 minute onwards
- well tolerated on skin and mucous membrane
- suitable for infants and premature babies*
- colourless



Pack size

For wound management:
 Carton with 10 x 250 ml-bottles
 Carton with 10 x 250 ml-bottles with spray pump
 Carton with 20 x 500 ml-bottles
 Carton with 10 x 1 l-bottles

sterile



octenilin® wound gel

For moistening and cleansing of chronic skin wounds.

Our plus

- effectively moisturises and cleans wounds
- helps loosen wound coatings
- creates an ideal wound healing environment to support the natural healing process
- pain-free, colourless and odour absorbent
- contains octenidine as preservative, capable of inactivating pathogens in the gel to build a protective barrier against penetrating germs

Pack size

Carton with 20 x 20 ml-bellows
 Carton with 6 x 250 ml-tubes

sterile



octenilin® wound irrigation solution

For cleansing and moistening of chronic skin wounds.

Our plus

- excellent cleaning performance
- especially well tolerated by the skin and tissues
- best before 8 weeks after first opening
- for repeated and long-term use

Pack size

Carton with 10 x 350 ml-bottles

Wound and mucous membrane antiseptic and wound care



schülke wound pad

Therapeutically effective for wound care and prevention.

Our plus

- loosens fibrin and debris
- can be used in combination with octenilin® wound irrigation solution
- wound healing disorders due to poor blood circulation may be reduced or removed
- stimulates granulation and epithelisation
- individual usability because of the different textures and surfaces

Pack size

Carton with 4 x 3 wound pads (white, blue, red)
 Carton with 10 x 1 wound pad (blue)



octenicare® repair creme

Skin care lotion to protect sensitive or irritated skin.

Our plus

- cares epithelialising wounds
- protects against moisture and inhibits odour-causing germs, e.g. by incontinence
- supports the natural regeneration of the skin with panthenol
- free of perfumes and dyes
- dermatologically tested

Pack size

Carton mit 20 x 50 ml-tubes

Skin antiseptics



kodan® tincture forte colourless | coloured

Ready-to-use, alcohol-based skin antiseptic.

Our plus

- effective against a broad spectrum of microorganisms: bactericidal, fungicidal, virucidal against enveloped viruses* (incl. HIV, HBV, HCV, HSV)
- excellent skin compatibility
- long-term antimicrobial activity for a minimum of 24 hours
- rapid acting (15 sec. prior to injections)



Pack size

kodan® tincture forte colourless
 Carton with 40 x 6 ml small-bottles
 Carton with 10 x 250 ml-bottles with spray pump
 Carton with 10 x 1 l-bottles
kodan® tincture forte coloured
 Carton with 10 x 250 ml-bottles with spray pump
 Carton with 10 x 1 l-bottles

* Please pay attention to the instructions for use.

Important user information see page 49

Use disinfectants safely.
 Always read the label and product information before use.

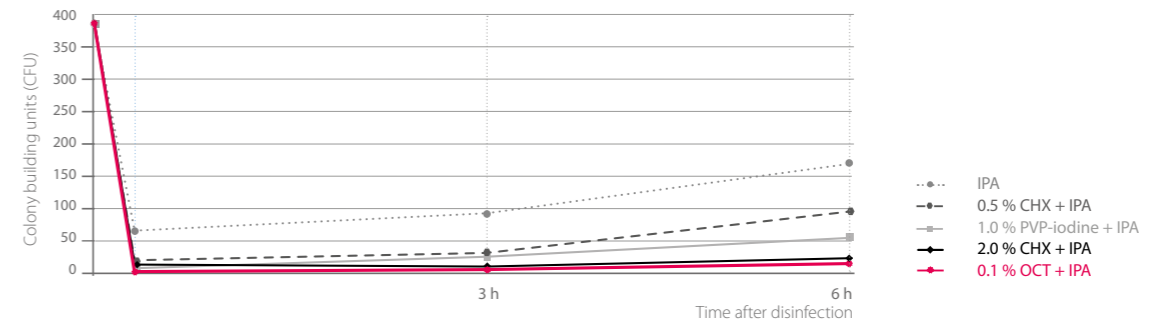
* in accordance with DWV (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014
 Important user information see page 49

Studies speak in favour of octeniderm® colourless

Skin antiseptis

In combination with alcohol, octenidine is an ideal residual active substance.

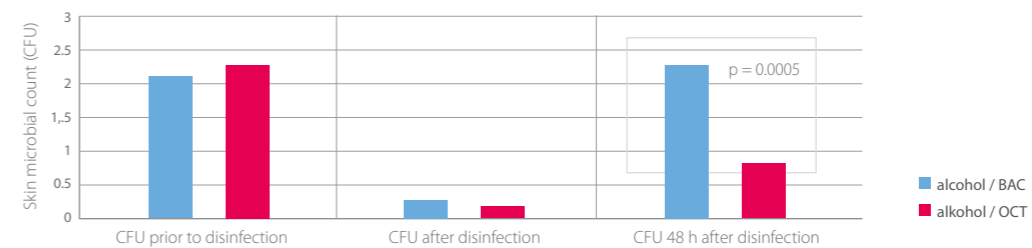
Basic and comparative studies for proof of remanence of octenidine (OCT), chlorhexidine (CHX) and PVP iodine show a pronounced residual effect of 0.1 % OCT + IPA compared to pure IPA.*



octeniderm® colourless for preventing infections prior to high-risk invasive procedures

Microbial count around the CVC (central venous catheter) insertion site over time

In contrast to an alcohol-based commercial product containing the additive benzalkonium chloride (BAC), octeniderm® shows a highly significant reduction in germs even 48 hours after placing a catheter (p = 0.0005).**



Thanks to the active substance octenidine, the medicinal product octeniderm® has a proven residual effect of 48 hours. This long-lasting effect guarantees effective protection especially in invasive procedures with a very high risk – also against transient exogenous flora.

octeniderm® colourless

Excellent effect and long-lasting protection are more important than visibly marking the skin. With a residual effect of at least 48 hours and a very rapid onset of action. Particularly well suited prior to invasive procedure with a high risk of infection, e.g. prior to placing a vascular catheter.



octeniderm® colourless

Ready-to-use, alcohol-based, colourless skin antiseptic.

Our plus

- residual effect for at least 48 hours
- rapid onset of action (15 sec. before injections)
- effective against a broad spectrum of microorganisms (bactericidal incl. mycobacteria and MRSA, fungicidal, virucidal against enveloped viruses*** incl. HIV, HBV, HCV, HSV adenovirus type 5 and rotavirus)
- excellent skin compatibility



Pack size

- Carton with 10 x 250 ml-spray bottles
- Carton with 10 x 1 l-bottles

Important user information see page 49

* Source: Melicherikova, V.; et al. (2010): Residual effect of antiseptic substances on human skin. Journal of Hospital Infection, 75: 238-239

** LUTZ, J.T.; DIENER, I.V.; Freiberg, K.; et al. (2016): Efficacy of two antiseptic regimens on skin colonization of insertion sites for two different catheter types – a randomized clinical trial. Infection DOI 10.1007/s15010-016-0899-6

*** in accordance with DVV (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014

Important user information see page 49

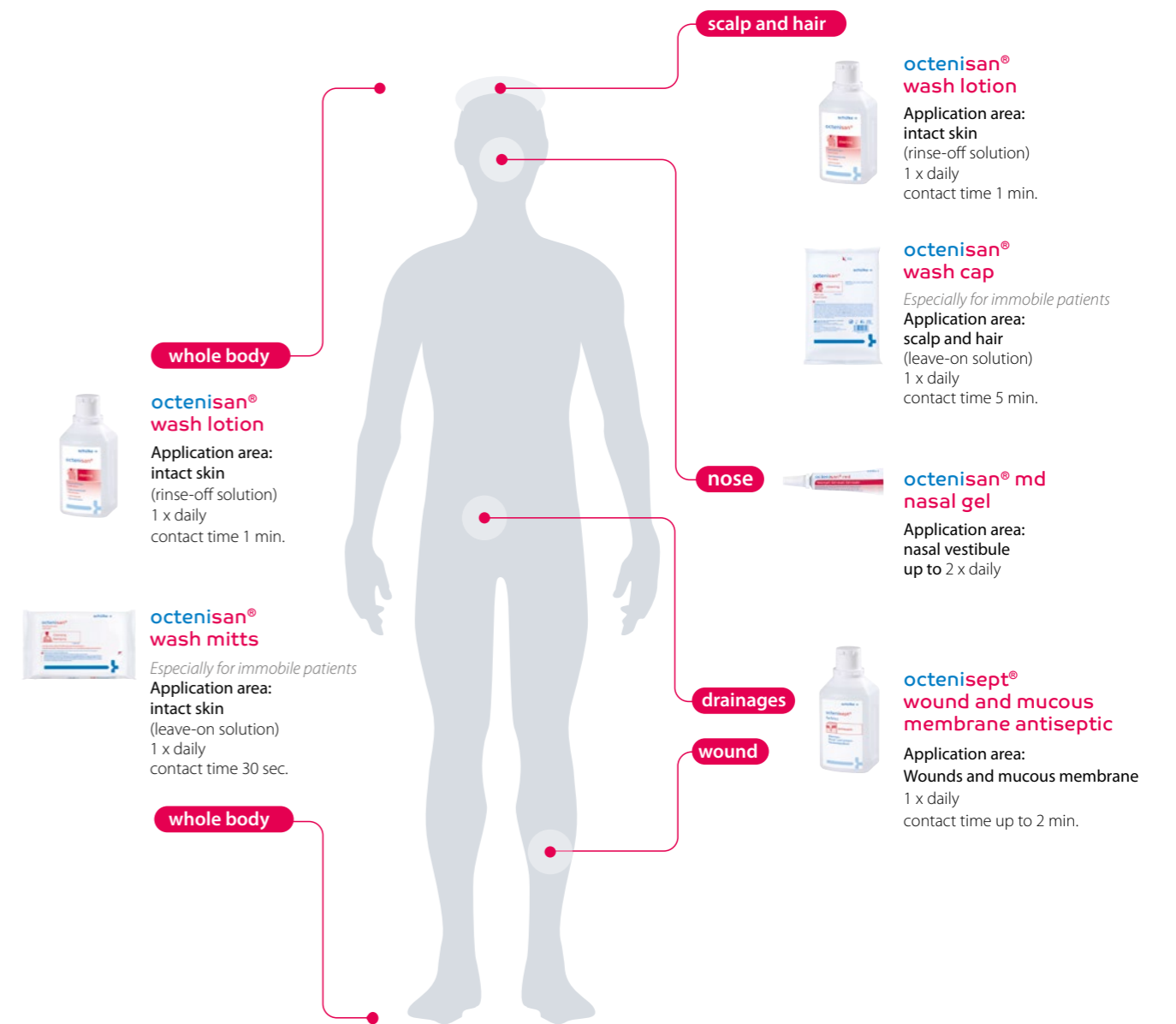


The octenidine product family at a glance.

schülke bundle strategy for patient decolonisation.

Products containing octenidine are ideal for using in combination (bundle strategy), as there is no possibility of interactions between different active ingredients. Patient decolonisation with the octenisan® range can, for example, safely be combined with

subsequent skin disinfection with octeniderm® colourless, postoperative wound care with octenilin® wound gel or wound disinfection with octenisept®, and ensures the maximum level of safety for patients.



Wounds | Skin | Mucous membrane
MDRO decontamination

Important user information see page 49

MDRO decontamination



octenisan® wash lotion

Wash lotion for the whole body washing in the case of MDRO contamination.

Our plus

- mild and gentle wash lotion for the skin and hair
- for whole body washing against MDRO
- suitable for all skin types
- skin-neutral pH value
- with allantoin for additional care
- colour- and perfume-free

Pack size

Carton with 30 x 150 ml-bottles
 Carton with 20 x 500 ml-bottles
 Carton with 10 x 1 l-bottles

Application aids

Dispensers and application aids from page 112



octenisan® wash mitts

Wash mitts for cleaning and care of the skin.

Our plus

- especially gentle due to additional care with allantoin
- for whole body washing against MDRO
- ready to use, no secondary rinsing required
- easy application due to practical mitt dimensions
- colour- and perfume-free
- can be warmed to body temperature (in microwave or heating cabinet)

Pack size

Carton with 24 x pouches with 10 wash mitts

Please refrain from the application of skin caring products (e.g. skin lotion) in the context of full body cleansing with octenisan®. Do not use in combination with products containing PVP-iodine.



octenisan® wash cap

Impregnated disposable wash cap.

Our plus

- for decontamination of the hair and scalp by physical cleaning
- ready to use
- colour- and perfume-free
- can be warmed to body temperature (in microwave or heating cabinet)

Pack size

Carton with 24 x pouches with 1 wash cap

MDRO decontamination



octenisan® md nasal gel

Intended to be used for moistening and decontamination by physical cleansing of the nasal vestibules as well as for supportive treatment of irritated skin underneath the nasal opening.

Our plus

- decontamination by physical cleaning of the nasal vestibules
- supportive treatment of irritated skin underneath the nasal opening
- for moistening
- excellent compatibility

Pack size

Carton with 20 x 6 ml-tubes

Hygienic oral care



octenident® mouthwash

Hygienic oral care.

Our plus

- inhibits germs that cause bad breath
- ensures the mouth feels clean and fresh
- no discolouration of teeth*
- chlorhexidine-free

Pack size


Carton with 15 x 60 ml-bottles
 Carton with 10 x 250 ml-bottles

* Concerning discolouration of teeth: A cosmetic study with 53 subjects has shown that 94 % of the subjects did not show any discolouration after a period of application of 4 weeks. Measurement method: vital scale



octenisan® set

Provides security. Builds confidence.

 **Up to 10⁷ microbial cells**
settle on 1 cm² of skin.



Up to 5 days:
Nasal gel 2 x daily
wash lotion 1 x daily

 **octenisan® set**
Provides security.
Builds confidence.

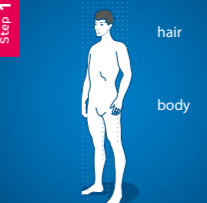

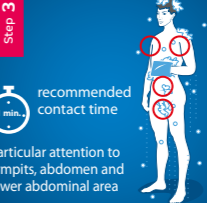



These microbes belong to the skin and protect it. Surgery penetrates the natural protective barrier of the skin. Thus, microbes can enter the interior of the body, where they do not belong, and can cause infections. For modern hospital hygiene it is important to prevent such infections. And for the patients' well-being even more so. Recent studies show that decontaminating wholebody washing before surgery can significantly reduce the risk of infections. **octenisan® wash lotion** enables patients to start this while still at home. Since nasal bacterial colonization is known to play a special role in infections, additionally **octenisan® md nasal gel** should be used.

Wash lotion for the whole body washing in the case of MDRO contamination

octenisan® wash lotion

Application note:
Do not use in children under 3 years of age.

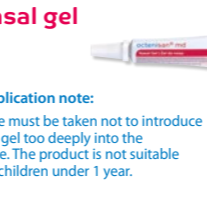




<p>Step 1</p>  <p>hair body</p>	<p>Step 2</p>  <p>octenisan® wash lotion fresh, damp wash cloth</p>
<p>Completely wet hair and body.</p>	<p>Apply the wash lotion undiluted to a damp and fresh wash cloth.</p>
<p>Step 3</p>  <p>recommended contact time 1 min. particular attention to armpits, abdomen and lower abdominal area</p>	<p>Step 4</p>  <p>hair body</p>
<p>Apply the wash lotion evenly to the entire body. Lather for 1 minute.</p>	<p>Wash off thoroughly.</p>
<p>Step 5</p>  <p>fresh towel</p>	<p>Step 6</p>  <p>clean clothing</p>
<p>Dry with a fresh towel.</p>	<p>After each application: Put on clean clothing.</p>

For decontamination of nasal vestibules.

octenisan® md nasal gel

Application note:
Care must be taken not to introduce the gel too deeply into the nose. The product is not suitable for children under 1 year.

<p>Step 1</p>  <p>Apply a sufficient quantity of nasal gel onto a cotton swab.</p>
<p>Step 2</p>  <p>Apply the gel onto the surfaces of the nasal vestibules.</p>
<p>Step 3</p>  <p>Spread the gel by lateral compression of the nostrils. Remove excess gel.</p>



octenisan® set

octenisan® wash lotion and octenisan® md nasal gel for preoperative decontamination of the skin, hair and nasal vestibules.

Our plus

- octenisan® wash lotion and octenisan® md nasal gel for preoperative decontamination in the convenient set
- use up to 5 days twice daily
- **provides security:** comprehensive patient information for safe use of the product and to increase compliance
- **builds confidence:** for the patient to have the feeling of being in the best hands

Pack size

Carton with 10 x 1 set

Wounds | Skin | Mucous membrane
MDRO decontamination

Important user information

Use disinfectants safely. Always read the label and product information before use.

kodan® tincture forte colourless:

• **Active substances:** 2-propanol (Ph. Eur.), 1-propanol (Ph. Eur.), biphenyl-2-ol. Composition: 100 g solution contain 45.0 g 2-propanol (Ph. Eur.), 10.0 g 1-propanol (Ph. Eur.), 0.20 g biphenyl-2-ol. • **Other ingredients:** hydrogen peroxide solution 30% (Ph. Eur.), purified water. • **Indications:** Skin disinfection prior to surgical procedures, catheterization, blood and liquor collection, injections, punctures, excisions, cannulations, biopsies, for antiseptic care of sutures as well as for additional general hygienic measures to prevent fungal skin infections. If no special hand disinfectant is available kodan® tincture forte colourless may also be used for hygienic hand disinfection. • **Contraindications:** kodan® tincture forte colourless should not be used for surgical hand disinfection. kodan® tincture forte colourless may not be used in cases of hypersensitivity to any of the components of the preparation. • **Undesirable effects:** Particularly with frequent use, skin irritations such as burning, erythema and dryness can occur. In rare cases allergic contact reactions are possible. Revision 04/20. If any of the side effects gets serious, or if you notice any side effects not listed in this user information, please tell your doctor or pharmacist.

kodan® tincture forte coloured:

• **Active substances:** 2-propanol (Ph. Eur.), 1-propanol (Ph. Eur.), biphenyl-2-ol. Composition: 100 g solution contain 45.0 g 2-propanol (Ph. Eur.), 10.0 g 1-propanol (Ph. Eur.), 0.20 g biphenyl-2-ol. • **Other ingredients:** quinoline yellow, orange yellow S, brilliant black PN, hydrogen peroxide solution 30% (Ph. Eur.), purified water. • **Indications:** Skin disinfection prior to surgical procedures, catheterization, blood and liquor collection, injections, punctures, excisions, cannulations, biopsies, for antiseptic care of sutures as well as for additional general hygienic measures to prevent fungal skin infections. • **Contraindications:** kodan® tincture forte coloured may not be used in cases of hypersensitivity to any of the components of the preparation. • **Undesirable effects:** Particularly with frequent use, skin irritations such as burning, erythema and dryness can occur. In rare cases allergic contact reactions are possible. Revision 04/20. If any of the side effects get serious, or if you notice any side effects not listed in this user information, please tell your doctor or pharmacist.

octenisept®:

• **Active substances:** octenidine dihydrochloride, phenoxyethanol (Ph.Eur.). • **Composition:** 100 g solution contain: 0.1 g octenidine dihydrochloride, 2.0 g phenoxyethanol (Ph.Eur.). Other ingredients: cocamidopropylbetaine, sodium D gluconate, glycerol 85%, sodium chloride, sodium hydroxide, purified water. • **Indications:** For repeated, short-term antiseptic treatment of mucous membranes and adjacent tissues prior to diagnostic and surgical procedures - in the ano-genital region including the vagina, vulva and glans penis as well as prior to bladder catheterization - in the oral cavity. For short-term supporting therapy of interdigital mycotic infections and adjuvant antiseptic wound treatment. • **Contraindications:** octenisept® may not be used in cases of hypersensitivity to any of the components of the preparation. octenisept® should not be used for rinsing the abdominal cavity (e.g. intra-operatively) or the bladder, nor the tympanic membrane. • **Undesirable effects:** rare: burning, redness, itching and warmth at the application site, very rare: allergic contact reaction, e.g. temporary redness at the application site; frequency unknown: after lavage of deep wounds with a syringe, persistent edema, erythema and also tissue necrosis have been reported, in some cases requiring surgical revision. Rinsing of the oral cavity may cause a transitory bitter sensation. Revision 11/18.

To prevent possible tissue injury, the product must not be injected into the deep tissue using a syringe. The product is intended for superficial use only (application by swab or spray pump).

octeniderm®:

• **Active substances:** octenidine dihydrochloride, 1-propanol (Ph.Eur.), 2-propanol (Ph.Eur.). • **Composition:** 100 g solution contain: 0.1 g octenidine dihydrochloride, 30.0 g 1-propanol (Ph.Eur.), 45.0 g 2-propanol (Ph.Eur.). Other ingredients: purified water. • **Indications:** Skin disinfection prior to surgical procedures, catheterization, blood and liquor collection, injections, punctures, excisions, cannulations, biopsies and for antiseptic care of sutures. If no special hand disinfectant is available, octeniderm® colourless can also be used for hygienic and surgical hand disinfection. • **Contraindications:** octeniderm® colourless should not be used in case of hypersensitivity to any of the components of the preparation. • **Undesirable effects:** Particularly in cases of frequent use, skin irritation such as redness, burning and itching may occasionally occur. In rare cases allergic reactions (e.g. contact eczema) are possible. Revision 03/18. If any of the side effects gets serious, or if you notice any side effects not listed in this user information, please tell your doctor or pharmacist.

Schülke & Mayr GmbH, 22840 Norderstedt, Germany, Tel. +49 40 52100-666, info@schuelke.com



Surfaces are the hands of the hospital.

Clean surfaces. Clean work.

Comprehensive protection ensures a healthy environment.

The disinfection of critical areas represents a daily and decisive challenge in the routine of medical facilities.

In medical facilities, the daily and thorough disinfection of surfaces is a must – especially in critical and sensitive areas.

According to new medical findings, the thorough disinfection of surfaces within facilities is a major factor in the containment of so-called nosocomial infections.

schülke products are developed with their area of usage in mind and their effectiveness is extensively tested. From the early stages of development the selection of

materials and active ingredients are focused upon creating a safe and user-friendly product.

These properties have made schülkes surface products to trusted partners within various areas of usage in daily clinical practice.

Disinfection and cleaning of hospital surfaces.

The maximal infection prevention is a must in all medicinal facilities and must comply with the highest requirements to keep patients and staff safe.

The reason is, that microorganisms can survive a few months on items, which makes a contamination through surfaces and other areas, for example, by hand or skin contact very likely.

To stop the transmission chain a extensive disinfectant clean is a must!

Survivability of relevant pathogens on surfaces*

Pathogen	Survivability
Bacteria	<i>Pseudomonas aeruginosa</i> up to 16 months
	<i>Escherichia coli</i> up to 16 months
	<i>Staphylococcus aureus</i> including MDRO up to 7 months
	<i>Clostridium difficile</i> (spores) up to 5 months
	<i>Mycobacterium tuberculosis</i> up to 4 months
Fungi	<i>Enterococcus spp.</i> incl. VRE and VSE up to 4 months
	<i>Candida albicans</i> up to 4 months
Viruses	Vacciniavirus up to 5 months
	Adenovirus up to 3 months
	Norovirus up to 7 days
	HIV / HBV up to 7 days

Cleaning and disinfection of risky areas

Areas**	Without patient treatment Without infection risk	Risk of infection	High infection risk	Patients who have an agent inside of them, which could bring danger of spreading further	Infection risk for staff
Examples	<ul style="list-style-type: none"> stair cases, hall ways, offices, management dining room teaching rooms technical areas 	general ward, outpatient area: <ul style="list-style-type: none"> radiology physical rooms sanitary rooms dialysis maternity ward intensive therapy 	Operating theaters, Units for: <ul style="list-style-type: none"> special intensive care (long-term ventilation <24hours, severe burns injured patients) transplant oncology (for patients under aggressive chemotherapy) premature ward 	Isolation area: <ul style="list-style-type: none"> functional areas in which the patient is being treated 	<ul style="list-style-type: none"> microbiological laboratories pathology disposal unclean areas like: <ul style="list-style-type: none"> laundry functional units like for example CSSD
schülke's recommendation cleaning / disinfection	at least cleaning	cleaning surface disinfection			

* German Source: BMC Infectious Diseases 2006; 6:130: How long do nosocomial pathogens persist on inanimate surfaces? A systematic review. (A. Kramer, I. Schwebke, G. Kampf)
 ** German Source: RKI recommendation – Hygiene requirements for cleaning and disinfecting surfaces, German Federal Health Gazette – Health Research – Health Protection 2004, 47:51-61

Surface disinfection has a method!

Hospital surfaces like it sufficiently wet!

In practice, the wet wipe-method has proven useful.

In one-step mopping, the floor is being cleaned with a well wrung mop. This means that the area being disinfected may not have been moistened sufficiently and, after drying, residual disinfectant solution may remain on the floor. Optimum efficacy can only be achieved if the floor is sufficiently moistened.

**The best method:
the 2-step wet wipe-method**

1. step:

apply the disinfectant solution with a well soaked mop, which softens and loosens adhesive contaminations. Within 2 – 5 minutes (detailed information can be found in the overview), the active agent of the disinfectant solution attaches to the bacteria and the remaining partially removed dirt.

2. step:

the excess disinfectant solution is removed with a second mop – and with it the bacteria. Any remaining moisture needs a maximum of 5 minutes to dry.

The 2-step wet wiping process allows a very good wetting of the surface, so that disinfectant can work effectively. It reduces the layer of structure and is therefore recommended as a method.

Our guide for the wet wipe-method can be ordered in English #2194, German #27176, Russian #2195 and Turkish #2196 for free at schülke; Tel. +49 40 52100-666, online: www.schuelke.com

Don't spray if you can wipe!

Wipe disinfection is more efficient and effective than spraying. As spraying lacks the mechanical action of wiping. However one positive aspect of spraying is that uneven, contorted surfaces and/ or surfaces which are

difficult to reach can still be disinfected. But if possible wipe the surfaces again, so that the product gets spread over the whole surface.

Criteria: spraying and wiping

A disinfection through wiping should always be favoured before spraying.
(This has to be decided individually in every facility)

Spraying



- contorted, uneven surfaces
- ready to use
- long shelf life

Wiping



- lower health risk for the staff (whilst wiping there is **no aerosol formation**)
- whilst wiping a further mechanical way of getting rid of germs appears

➤ Shiny surfaces with extreme cleanliness.

Wiping disinfection



terralin® protect

Powerful aldehyde-free large area cleaner and disinfectant, ideal for use on all surfaces of medical devices and other wipeable surfaces.



Our plus

- pleasant scent
- broad microbiological efficacy against bacteria (incl. TB), yeasts and viruses (limited spectrum virucidal activity)
- especially convenient for odour sensitive areas



Pack size

- Carton with 500 x 20 ml-pouches
- Carton with 5 x 2 l-bottles
- 5 l-canister
- 20 l-canister
- 200 l-drum
- 500 l-container



antifect® AF (N)

Concentrate for aldehyde-free disinfection and cleaning of medical devices and other wipeable surfaces.



Our plus

- good efficacy against bacteria, yeasts, enveloped viruses (limited spectrum virucidal activity)
- pleasant scent



Pack size

- Carton with 5 x 2 l-bottles
- 5 l-canister



antifect® extra

High performance concentrate for disinfection and cleaning of medical devices and other wipeable surfaces.



Our plus

- broad range of efficacy: virucidal, tuberculocidal, sporicidal
- formaldehyde-free
- low application concentration
- good compatibility with materials



Pack size

- Carton with 5 x 2 l-bottles
- 5 l-canister
- 20 l-canister

Use disinfectants safely.
Always read the label and product information before use.

Wiping disinfection



perform®

Active oxygen-based concentrate in powder form for disinfecting and cleaning medical devices and other surfaces.



Our plus

- broad range of efficacy: virucidal, tuberculocidal, sporicidal (incl. *C. difficile*)
- very good material compatibility
- RKI according §18 IfSG (enveloped viruses)



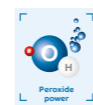
Pack size

- Carton with 250 x 40 g-pouches
- Carton with 60 x 40 g-pouches
- Carton with 4 x 900 g-tins



terralin® PAA

Active oxygen based cleaning and disinfection of surfaces and medical devices.



Our plus

- broad range of efficacy: virucidal, tuberculocidal, sporicidal (incl. *C. difficile*)
- very short contact time
- concentrate for the disinfection in case of an 'outbreak'.



Pack size

- Carton with 12 x (2 x 80 ml) double containers

Use disinfectants safely.
Always read the label and product information before use.

* in accordance with DWV (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014

schülke wipes

Safe, because it's easy.

safe & easy



safe & easy

bag-in-box

safe & easy

bagless



Wiping disinfection – dry wipes and dispensers



schülke wipes

quick and handy

schülke wipes – wipes and dispensers are to be used with disinfectant for a quick disinfection of all surfaces in areas with small risks. Various sizes and amounts of wipes are available. The expiry date is 28 days (exception: terralin® PAA: 12 h).

schülke wipes

safe & easy

schülke wipes safe & easy – these dispensers are ideal for any areas where the risk of infections for patients and staff is extremely high. safe – the risk of contamination is minimised, because the container (box / bag) is only used once. easy – the handling is so simple.

Aim for the optimum safety in high risk areas!

The higher the risk of contamination for patient and staff, the more important a very reliable disinfection of all surfaces is.



Specially for high risk areas

- Risk of infection*
- Areas with a very high risk of infection and isolation areas
 - Areas with an infection risk for the staff
 - Areas with and without potential infection risk

* according to the RKI guidelines (2004) page 5

Surfaces
Dry wipes and wipe dispensers

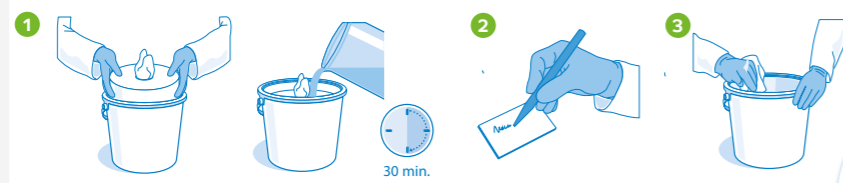
Wiping disinfection – dry wipes and dispensers

The small difference with a big effect.

schülke wipes – reusable wipe dispensers.

Can be used universally for different application areas.

- 1 Unpack the role of wipes and place the role in the wet wipe dispenser (disinfect dispenser beforehand) and drain the disinfection solution into the dispensing container.
- 2 Fill out the batch label.
- 3 Once used up or at the latest after 28 days (exception: terralin® PAA: 12 h) please dispose the content. The dispenser box and lid can be reprocessed and reused. (Further information on www.schuelke.com)



The critical phases of the wet wipe dispensers*:

- 1 Filling
- 2 Standing time
- 3 Reprocessing

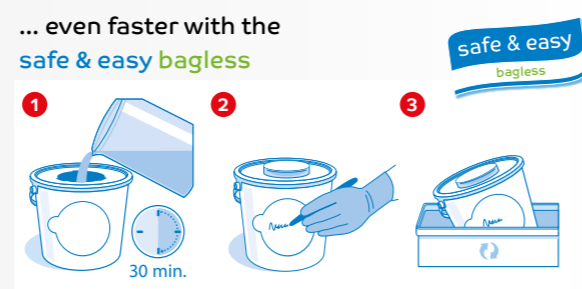


schülke wipes



Minimise the risk of contamination in high risk areas with easy and safe handling with the wipe dispensers, which are for single use only. No compromises on the costs for staff or the patient safety in high risk areas like, for example, the neonatology.

- 1 **safe:** In the bag / bucket the fleece role is safe. Open the bag / bucket, fill up – finished.
- 2 Mark the date of beginning on the 'End Date' sticker.
- 3 **easy:** Dispose after use or after 28 days (exception: terralin® PAA: 12 h).



* 1. Recommendation for controlling critical points while using wipe dispensers for surface disinfection (2012)
2. Control measures for the use of wet wipe dispensers for surface disinfection in combination with the risk profile. (2013)

Wiping disinfection – dry wipes and dispensers

This is how to use the schülke wipes dispensers correctly.



Dry wipes and wipe dispensers

- | | | | | | |
|--|---|--|---|---|--|
| schülke wipes mini dispenser bucket
(40 wipes dispenser) | schülke wipes 70 dispenser box
(70 wipes dispenser) | schülke wipes dispenser bucket
(100 / 111 wipes dispenser) | schülke wipes 100 / 111 dispenser box
(100 / 111 wipes dispenser) | schülke wipes safe & easy bag-in-box
(111 wipes in the bag) | schülke wipes safe & easy bagless
(130 wipes in the bag) |
|--|---|--|---|---|--|



Picture						
Area	low risk areas	low risk areas	low risk areas	low risk areas	high risk areas	high risk areas

Operation
Dry wipes and wipe dispensers for the use in combination with the schülke surface disinfectants for all areas in hospitals, old peoples home, rescue service and doctors practice.
Due to the very easy handling of the wipe dispensers and the protective bag or bucket the schülke wipes safe & easy are the ideal disinfectant wipes for use in areas with very high risk of contamination with pathogen germs.

Application	Prepare dispenser bucket / dispenser box after use or ending of the standing time.	Dispose bag and lid after use or ending of the standing time	Dispose bucket after use or ending of the standing time
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Amount of wipes / application	schülke wipes mini 40 wipes	40 wipes 30 x 30 cm		
	schülke wipes 70 wipes	70 wipes 28 x 23 cm	70 wipes 28 x 23 cm	
	schülke wipes 100 wipes		100 wipes 30 x 30 cm	100 wipes 30 x 30 cm
	schülke wipes 111 wipes		111 wipes 30 x 24 cm	111 wipes 30 x 24 cm
	schülke wipes safe & easy bag			111 wipes (im Bag) 30 x 24 cm
	130 wipes inclusive in the system			130 wipes (inclusive) 30 x 19 cm

Solution ready-to-use product / diluted concentrate solution	1.5 liters	2 litres ready-to-use product / 3 litres diluted concentrate solution	2 litres ready-to-use product / 2.5 litres diluted concentrate solution
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Suited for ready-to-use products*: antifeck® N liquid • buraton® liquid • mikrozyd® AF liquid • mikrozyd® sensitive liquid • perform® advanced alcohol EP • perform® classic alcohol EP • pursept® A Xpress • terralin® liquid

Diluted concentrate solution*: • antifeck® AF (N) • antifeck® extra • terralin® protect • terralin® PAA** • perform® classic concentrate Q-Plus • TPH protect
(Information on other products available on request from our Application Department t (Phone: +49 40 521 00-666 | E-mail: info@schuelke.com) or from your area sales manager.)

* maximal standing time of 28 days.
** maximal standing time of up to 12 hours in the schülke wipes mini dispenser bucket.

Use disinfectants safely.
Always read the label and product information before use.

Surfaces
Dry wipes and wipe dispensers

Wiping disinfection – dry wipes and dispensers



dispenser boxes dispenser bucket

- handy in areas with low risk

schülke wipes

Dry wipes to be soaked with surface disinfectant.

Our plus

- broadly usable
- easy to handle
- lifetime when solution is prepared: up to 28 days, e.g. terralin® protect
- lint-free on surfaces
- various sizes of cloth rolls



Pack size

- schülke wipes dispensers**
Carton with 5 x dispensers | 1 x dispenser
- schülke wipes 40 dispenser bucket
 - schülke wipes 100/111 dispenser bucket
 - schülke wipes 70 dispenser box
 - schülke wipes 100/111 dispenser box
- schülke wipe rolls**
- schülke wipes 40 (Carton with 10 x 40 cloth rolls)
 - schülke wipes 70 (Carton with 6 x 70 cloth rolls)
 - schülke wipes 100 (Carton with 6 x 100 cloth rolls)
 - schülke wipes 111 (Carton with 6 x 111 cloth rolls)

Application aids

- Wall holder bucket schülke wipes
- Wall holder box schülke wipes



dispenser box

bag

- especially for high risk areas

schülke wipes safe & easy

Dry wipes to be soaked with surface disinfectant.



Our plus

- bag-in-box dispenser for 111 applications
- no preparation needed
- easy to handle

Pack size

- schülke wipes safe & easy bag-in-box
- Carton with 6 x bags with each 111 wipes
- Carton with 10 x dispenser boxes

Application aids

- Wall holder box schülke wipes



dispenser bucket

- especially for high risk areas

schülke wipes safe & easy

Dry wipes to be soaked with surface disinfectant.



Our plus

- bagless dispenser bucket for 130 applications
- no preparation needed
- very safe and easy handling
- no mixing up / refilling due to the seal label

Pack size

- schülke wipes safe & easy bagless
- Carton with 6 x buckets with 130 wipes

Application aids

- Wall holder bucket schülke wipes

Wiping disinfection – dry wipes and dispensers

schülke wipes safe & easy bag-in-box



safe – the wipes are safely protected. No contact between wipes, box and hands.
easy – easily dispose the bag and the closure.



Filling under hygienic aspects!

schülke wipes safe & easy bagless



Single use dispenser – now even faster:
safe – the wipes are safely protected in a stable bucket. The seal label makes sure, that the bucket is only used once.
easy – dispose the whole bucket.



Filling under hygienic aspects

Professional rapid disinfection gives germs no chance.

Protect patients, prevent contamination.

Surfaces that frequently come into contact with hands or skin present a high risk for the transmission of infections. This includes in particular all surfaces in the patient's surroundings.

Studies* have shown, that pathogens can survive several weeks or in some cases even months on surfaces causing a high risk of cross-contamination.

Consequently a number of surface disinfectants like sprays or disinfectant wipes have been developed for surfaces close to patients.

In the past noscomial infections have increased in a worrying number. Surface disinfection is one of the most important preventive measures to stop contamination. Specially all surfaces close to patients are part of the transmission chain.

schülke makes sure, that these products have an excellent effectiveness and material compatibility, as well as application comfort, smell and efficient cost benefit relation.

➤ Recognise the problem, solve the problem!



* KRAMER, A.; SCHWEBKE, I.; KAMPF, G.: How long do nosocomial pathogens persist on inanimate surfaces? A systematic review, BMC Infectious Diseases, 6 (2006) 130

Rapid disinfection



terralin® liquid
Alcohol-based rapid disinfectant for medical devices.

- Our plus**
- ready to use
 - dries rapidly, leaving no streaks
 - aldehyde-free
 - effective against bacteria (incl. Tb), fungi and enveloped viruses (incl. HIV, HBV, HCV) and adeno-, rota- and Polyoma SV 40 viruses
- BAC**
TB
NORO
- EFSA** **VAPH** **IHO**

Pack size
Carton with 10 x 1 l-bottles
10 l-canister

Application aids
Wall holder for 1 l-square bottles



antifect® N liquid
Alcohol-based rapid disinfectant for medical devices and other surfaces.

- Our plus**
- ready to use
 - usable for food sector, colour- and perfume-free
 - short contact time and broad efficacy against bacteria, enveloped viruses and fungi
 - fast and residue-free drying
- BAC**
TB
NORO
- EFSA** **VAPH** **IHO**

Pack size
Carton with 20 x 500 ml-bottles
Carton with 10 x 1 l-bottles
5 l-canister

Application aids
Wall holder for 1 l-square bottles
Wall holder for 500 ml-square bottles



pursept® A Xpress
Ready-to-use alcohol-based rapid disinfection for safety and fresh fragrance at record speed.

- Our plus**
- ready to use and highly effective even before the surface has dried
 - very good compatibility with surfaces
 - dermatologically tested
 - very fresh fragrance
 - dries rapidly without leaving smears
- BAC**
NORO
- EFSA** **VAPH** **IHO**

Pack size
Carton with 10 x 1 l-bottles
5 l-canister

Application aids
Wall holder for 1 l-square bottles

Rapid disinfection



mikrozid® AF liquid
Alcohol-based rapid disinfectant for medical devices and other surfaces.

- Our plus**
- dries rapidly without leaving smears
 - aldehyde-free
 - very broad biocidal activity within the shortest possible time (effective against bacteria and enveloped viruses*)
 - good wetting properties
- BAKT. ZID**
TB
NORO
- EFSA** **VAPH** **IHO**

Pack size
Carton with 10 x 250 ml aerosol-bottles
Carton with 10 x 1 l-bottles
1 x 10 l-canister

Application aids
Wall holder for 1 l-square bottles



mikrozid® AF wipes | Jumbo | premium
Alcohol-based wipes for fast effective disinfection of medical devices and other wipeable surfaces.

- Our plus**
- dries rapidly, leaving no streaks
 - aldehyde-free
 - effective against bacteria (incl. Tb), enveloped viruses* (incl. HIV, HBV, HCV), adeno- and rotaviruses
 - mikrozid® AF wipes: also available with a handy refill pouch
 - mikrozid® AF wipes *Jumbo*: extra large wipes, extra large reach
 - mikrozid® AF wipes *premium*: handy softpack format, premium quality wipe, extra soft
- BAC**
TB
NORO
- EFSA** **VAPH** **IHO**

Pack size
Carton with 10 x 200 wipes *Jumbo*
Carton with 12 x 200 wipes *Jumbo* refill
Carton with 10 x 150 wipes
Carton with 20 x 150 wipes refill
Carton with 12 x 50 wipes *premium*

Application aids
Wall holder
Wall holder *Jumbo*
Wall holder *premium*



mikrozid® sensitive liquid
Alcohol-free rapid disinfectant for medical devices and other surfaces.

- Our plus**
- ready to use
 - alcohol-free and so extremely good for alcohol sensitive surfaces
 - rapid and good efficacy against bacteria, yeasts, enveloped viruses* (incl. HIV, HBV, HCV) and rotaviruses
- BAC**
NORO
- EFSA** **VAPH** **IHO**

Pack size
Carton with 10 x 1 l-bottles
5 l-canister

Application aids
Wall holder for 1 l-square bottles

Rapid disinfection



mikrozid® sensitive wipes | Jumbo | premium | premium maxi

Alcohol-free disinfection wipes for a fast disinfection of medical devices and other surfaces.



Our plus

- ready to use
- alcohol-free and thus especially convenient for alcohol-sensitive areas
- rapid and good efficacy (bacteria, yeasts, enveloped viruses* incl. HBV, HIV, HCV) and rotaviruses
- mikrozid® sensitive wipes *Jumbo*: extra large wipes
- mikrozid® sensitive wipes *premium*: handy softpack, premium quality wipe, extra soft, size 20 x 20 cm
- mikrozid® sensitive wipes *premium maxi*: extra large wipes, handy softpack, premium quality wipe, extra soft, extra larger reach, size 25 x 25 cm



Pack size

- Carton with 10 x 200 wipes *Jumbo*
- Carton with 12 x 200 wipes *Jumbo* refill pouches
- Carton with 10 x 120 wipes
- Carton with 12 x 50 wipes *premium*
- Carton with 6 x 100 wipes *premium*
- Carton with 6 x 80 wipes *premium maxi*

Application aids

- Wall holder
- Wall holder *Jumbo*
- Wall holder *premium*



mikrozid® PAA wipes

Sporicidal peracetic acid wipes for the surface disinfection.

Our plus

- ready-to-use extra large wipes
- very fast and good efficacy: bacteria, fungi, viruses (e.g. HIV, HBV, noro), TB and spores
- approved for TOE probes**



Pack size

- Carton with 10 x 50 wipes

Application aids

- Wall holder *Jumbo*

Unique: Peracetic acid 'ready-to-use'!



The microbiocidal effect of peracetic acid has been known for more than 100 years. Only in the 1960s, however, peracetic acid gained greater attention when Kline and Hull demonstrated its excellent effect against viruses. Today, peracetic acid undergoes another renaissance: The decisive factors are the short contact time and the safe disinfection performance, even against spores of the pathogen *Clostridium difficile*.

Ideal for risk areas. Characteristics that make peracetic-based products ideal disinfectants especially for risk areas. This is also reflected by the recommendation of the Robert Koch Institute, which recommends peracetic acid for disinfection of high-risk areas.¹

schülke – the peracetic expert. With the mikrozid® PAA wipes schülke is the first succeed in providing peracetic acid in the application form of a ready-to-use cloth.

Compared to other ready-to-use wipes, the contact time of the mikrozid® PAA wipes is much shorter.

Use disinfectants safely. Always read the label and product information before use.

¹ www.rki.de
* in accordance with DVV (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014
** These approvals are restricted to specific product families. Detailed information is available from schülke Application Department.

The mikrozid® universal. Uniquely versatile.

Low alcohol-based disinfection for quick disinfection of non-invasive medical devices and other surfaces.

Particularly suitable for:

- mobile phones
- keyboards
- touchscreens
- synthetic leather
- displays
- furniture surfaces

Very good material compatibility.

The new mikrozid® universal is ideal for cleaning and disinfecting surfaces near patients.

A special mixture of surfactants enables excellent material compatibility.

As a result, tablets and smartphones which are used every day and on the job can be easily cleaned and disinfected.

In addition, testing at schülke has shown that the cleaning performance is significantly higher than that of comparable products.



Dermatologically tested.

When it has to be done quickly, mikrozid® universal can also be used without gloves (if allowed by your occupational safety standards). Due to the mild alcohol-based combination of active ingredients, this product is very skin-friendly.

This has been confirmed by an independent testing laboratory.

Works in seconds.

Is fast disinfection with broad-spectrum efficacy essential in your field of work? Then use fast-acting mikrozid® universal, for example:

- virucidal to a limited extent – 15 sec.
- noro – 30 sec.



mikrozid® universal liquid | wipes premium | premium maxi

Low-alcohol-based rapid disinfectant for medical devices and other surfaces.



Our plus

- especially material friendly (e.g. tablets)
- rapid effect (noro 30 sec.)
- dermatologically tested
- high quality wipes
- colour- and perfume-free
- outstanding cleaning performance
- mikrozid® universal wipes *premium* handy softpack, premium quality wipe, extra soft, size 20 x 20 cm
- mikrozid® universal wipes *premium maxi* extra large wipes, handy softpack, premium quality wipe, extra soft, extra larger reach, size 25 x 25 cm



Pack size

- Carton with 10 x 1 l-bottles
- 5 l-canister
- Carton with 6 x 100 wipes *premium*
- Carton with 6 x 80 wipes *premium maxi*

Application aids

- Wall holder *premium*
- Wall holder *premium maxi*

Use disinfectants safely. Always read the label and product information before use.

* The product can also be used without gloves, if allowed by infection protection and occupational safety standards.

➔ mikroqid® – a strong brand.



Rapid disinfection

mikroqid® wipes – quick overview of rapid disinfection. Safety on all surfaces.

An effective strategy for combating pathogenic microbes on surfaces calls for carefully selected products. schülke would like to assist you in this selection, and with its clear and fast disinfection concept, it offers a preselected range of suitable products. They are perfectly coordinated and leave no gaps within a multi-barrier system.

mikroqid® AF wipes

The classic choice among rapid disinfection preparations. The alcohol-based wipes are effective within 1 minute against almost all relevant microbes. The alcohol film dries very quickly and leaves no residue behind. Material compatibility is good, however stress cracks may form in plastics.



mikroqid® AF wipes	Wipe size	Amount of wipes	Grammage
Box	14 x 18 cm	150	24 g/m ²
Box Refill	14 x 18 cm	150	24 g/m ²
Jumbo Box	20 x 27 cm	200	24 g/m ²
Jumbo Box Refill	20 x 27 cm	200	24 g/m ²
Softpack premium	20 x 20 cm	50	50 g/m ²

Active ingredients: Ethanol, Propan-1-ol

mikroqid® sensitive wipes

The specialist for sensitive surfaces. There are many sensitive materials in a hospital and for this reason, mikroqid® sensitive wipes combine a high degree of efficacy with excellent material compatibility. Even ultrasound heads* can be disinfected with mikroqid® sensitive wipes.



mikroqid® sensitive wipes	Wipe size	Amount of wipes	Grammage
Box	14 x 18 cm	120	19 g/m ²
Jumbo Box	20 x 20 cm	200	19 g/m ²
Jumbo Box Refill	20 x 20 cm	200	19 g/m ²
Softpack premium	20 x 20 cm	50	50 g/m ²
Softpack premium maxi	25 x 25 cm	80	50 g/m ²

Active ingredients: Alkyl (C12-16) dimethylbenzyl ammonium chloride, Didecyl-dimethylammonium chloride, Alkyl(C12-14) ethylbenzylammonium chloride

mikroqid® universal wipes

The all-round wipes – also for disinfecting sensitive communication devices. Smartphones and tablets have nearly constant contact with hands. They can be safely treated with mikroqid® universal wipes without damage to the materials.



mikroqid® universal wipes	Wipe size	Amount of wipes	Grammage
Softpack premium	20 x 20 cm	100	50 g/m ²
Softpack premium maxi	25 x 25 cm	80	50 g/m ²

Active ingredients: Ethanol / Propan-2-ol

mikroqid® PAA wipes

The powerhouse for cases of outbreak. With the unique oxidising power of peracetic acid, mikroqid® PAA wipes have a sporicidal effect and are also effective against *C. difficile* in just 5 minutes.




mikroqid® PAA wipes	Wipe size	Amount of wipes	Grammage
Jumbo Box	20 x 30 cm	50	40 g/m ²

Active ingredients: Peracetic acid

Use disinfectants safely. Always read the label and product information before use.

Further information under: www.mikroqid.com

* Not suitable for final disinfection of semicritical medical devices.
 ** The shelf life after the container is opened is marked on articles with the following symbol:  71

Use disinfectants safely. Always read the label and product information before use.

Cleaning and care



s&m cleaning additive

High-quality maintenance cleaner for intensive cleaning.

Our plus

- intensive cleaning effect, even removes disinfectant residues
- tested ability to mix with schülke surface disinfectants
- can be used for maintenance cleaning on all surfaces that can be wiped wet (floorings and inventory)
- drying free of streaks
- economical consumption due to very low dosing

Pack size

Carton with 5 x 2 l-bottles
5 l-canister



s&m care additive

High-quality special product for intensive cleaning and care of floorings that can be wiped wet.

Our plus

- intensive cleaning effect – tested ability to mix with schülke surface disinfectants
- maintains a special shine and care film
- reduces the adherence of dirt to floor surfaces
- drying free of streaks
- economical consumption due to low dosing

Pack size

Carton with 5 x 2 l-bottles

Specialities



mikrocount®

The practical dipslide for a fast hygiene check.

Our plus

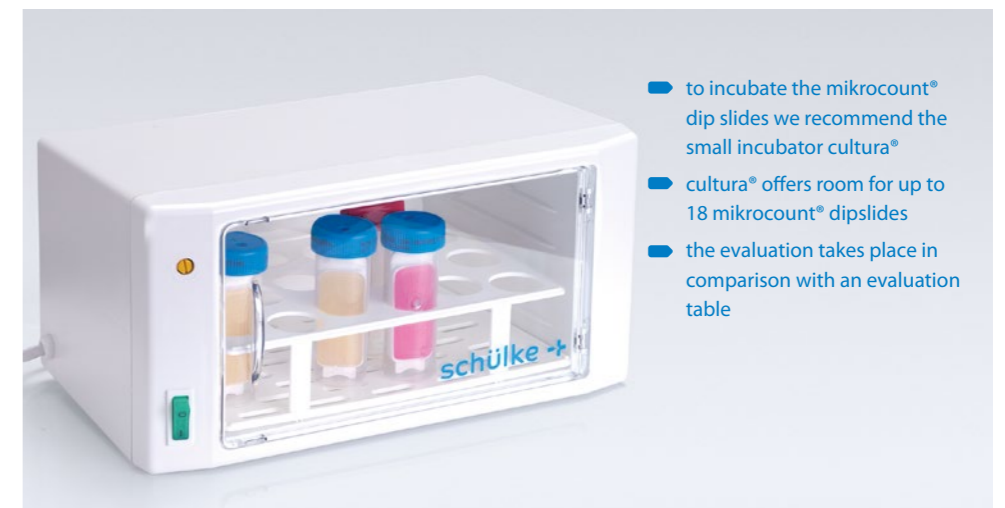
- mikrocount® duo for the combined determination of total plate count, fungi and yeasts
- mikrocount® TPC to check the total plate count
- mikrocount® TPC / E for the combined determination of total plate count and Enterobacteria

Pack size

Box with 20 x mikrocount® duo
Box with 20 x mikrocount® TPC
Box with 20 x mikrocount® TPC/E



- fast and easy – flexible joint on all of the test strips, which makes the pressing down of the whole test strip very easy.



- to incubate the mikrocount® dip slides we recommend the small incubator cultura®
- cultura® offers room for up to 18 mikrocount® dipslides
- the evaluation takes place in comparison with an evaluation table



Further information material:

For further information please order our brochures!



Flyer schülke wipes safe & easy bag-in-box – filling under hygienic aspects



Flyer schülke wipes safe & easy bagless – filling under hygienic aspects



Application plan schülke wipes -INT-
Application plan schülke wipes -FR-
Application plan schülke wipes -GER-



mikrocount® dipslides brochure -INT-



➔ Safe production under cleanroom conditions.

More safety through cleanroom conditions.

Cleaning and disinfection for compounding pharmacies.

Sterile disinfectants and cleaning agents for a sterile production environment: According to Annex 1 of the EU GMP Guideline, disinfectants that are used in cleanroom classes A and B must be sterile prior to use.

Sterile disinfectants and cleaning agents for a sterile production environment: According to Annex 1 of the EU GMP Guideline, disinfectants that are used in cleanroom classes A and B have to be sterile prior to use. This has far-reaching consequences: Cleanrooms are production rooms in which production takes place under particularly hygienic conditions.

Since the amendment of the Ordinance on the Operation of Pharmacies on 12 June 2012, §35 stipulates that medicinal products for parenteral use have to be manufactured according to the definition of Annex 1 of the EU-GMP Guideline. Varying safety standards have to be observed for the various cleanroom classes regarding the airlock system for people and objects to minimise the risk of particles or microbes being transported into the cleanroom.

Recommended limits for microbial contamination (a)

Grade	Air sample cfu/m ³	Settle plates (diameter 90 mm) cfu/4 hours (b)	Contact plates (diameter 55 mm) cfu/plate	Glove print 5 fingers cfu/glove
A	< 1	< 1	< 1	< 1
B	10	5	5	5
C	100	50	25	–
D	200	100	50	–

(a) These are average values. (b) Individual settle plates may be exposed for less than 4 hours. Source: Annex 1 Manufacture of Sterile Medicinal Products

With the products of the product line **perform® sterile** we offer you a targeted selection of sterile products for use in the cleanroom. All products comply with the strictest requirements for use in safety cabinets and compounding areas of the pharmacy.

The **perform® sterile** line offers sterile disinfectants in different types of formulation and with different active substances with a wide spectrum of activity in compliance with the Biocidal Products Directive.

Depending on your requirements you are sure to find the right product for the cleaning and disinfection of your cleanrooms in schülke's **perform®** product range. The classification of cleanrooms is based on the particle concentration in the ambient air. The two most common classifications are found in the EU-GMP Guideline, Annex 1 and in DIN EN-ISO 14644.

For further information ask your sale representative or visit our schülke channel:

www.youtube.com/user/schuelkeChannel



schülke has got everything to threaten germs ...

... sterile products for all pharmacy surfaces.



Sterile products	Application	Dosage form	Efficacies	Page
	Disinfection Cleaning	Format Also available as a not sterile version Size Ready-to-use Concentrate Wipes	tested according to European Standards IHO virucidal list bactericidal EN 1276 (under clean conditions) bactericidal EN 13697 (under clean conditions) fungicidal 13697 (under clean conditions) fungicidal 1650 (under clean conditions) levurocidal EN 13697 (under clean conditions) yeasicidal EN 1650 (under clean conditions) sporicidal EN 13697 sporicidal EN 13704 virucidal against enveloped viruses BVDV virucidal against enveloped viruses Vaccinia	
Alcohol-based rapid disinfection				
perform® sterile alcohol EP	●	sterile ● 500 ml ●	● ● 1 min. 1 min. 2 min. 1 min. 1 min. 1 min.	80
perform® sterile alcohol IPA	●	sterile ● 500 ml, 1 l, 500 ml WFI ●	● ● 1 min. 1 min. 1 min. 1 min.	80
perform® sterile wipes IPA	●	sterile ● 20 pieces ● ●	● ● 1 min. 1 min. 1 min. 1 min.	80
Sporicidal disinfection				
perform® sterile PAA	●	sterile ● 500 ml, 300 ml ●	● ● 5 min. 5 min. 5 min. 5 min. 5 min. 5 min. 1 min. 1 min.	81
perform® sterile concentrate PAA	●	sterile ● 40 ml ●	● ● 5 min. 0.25% 5 min. 0.25% 15 min. 2% 15 min. 2% 15 min. 2% 5 min. 1%	81
perform® sterile concentrate OXY	●	sterile ● 40 g ●	● ● 5 min. 1% 30 min. 0.5% 1 hours 1.5% 1 hours 1.5% 2 hours 1%	81
Basic disinfection and cleaning				
perform® sterile concentrate Q2	●	sterile ● 60 ml ●	● ● 5 min. 0.5% 15 min. 1.5% 15 min. 1.5% 5 min. 0.5%	82
perform® sterile cleaner ND	●	sterile ● 500 ml ●		82
Dry, sterile wipes				
perform® sterile dry wipes	● ●	sterile ● 10 pieces ●	dry, sterile wipes	83
perform® sterile premium dry wipes	● ●	sterile ● 100 pieces ●	dry, sterile wipes	83
perform® sterile mix dry wipes	● ●	sterile ● 100 pieces ●	dry, sterile wipes	83

Status: [24. Januar 2020]. For regulatory reasons (in particular changes in standards), claims for individual products may change at any time. For binding, current recommendations for use and efficacy, please refer exclusively to the product-specific documentation or visit www.schuelke.com.

Use disinfectants safely.
Always read the label and product information before use.

Use disinfectants safely.
Always read the label and product information before use.

Alcohol-based rapid disinfection



perform® sterile alcohol EP

Sterile, alcohol-based ready-to-use solution for disinfecting surfaces.

Our plus

- fast, effective and residue-free
- sterile (x-ray irradiated) and sterile filtered (0.2 µm)
- ready to use in a handy, sterile 500 ml spray system
- colour- and perfume-free
- bactericidal, fungicidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- double packaging



Pack size

- Carton with 10 x 500 ml-bottles
- Carton with 6 x 1 l-bottles

Application aids

- perform® spray bottle holder
- perform® spray bottle holder-plate



perform® sterile alcohol IPA

Sterile, alcohol-based ready-to-use solution for surface disinfection.

Our plus

- fast, effective and residue-free
- sterile (x-ray irradiated) and sterile filtered (0.2 µm)
- ready to use in a handy, sterile 500 ml- or 1l-spray system
- optional with WFI (water for injection)
- colour- and perfume-free
- bactericidal, fungicidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- double packaging



Pack size

- Carton with 10 x 500 ml-bottles
- Carton with 6 x 1 l-bottles
- WFI variation:
• Carton with 10 x 500 ml-bottles

Application aids

- perform® spray bottle holder
- perform® spray bottle holder-plate



perform® sterile wipes IPA

Sterile, ready-to-use 70 % (v/v) IPA impregnated wipes for surface disinfection.

Our plus

- sachet of 20 x ready to use alcohol impregnated wipes
- low particle tested (Helmke Drum test method)
- sterile (x-ray irradiated) and sterile filtered (0.2 µm)
- colour- and perfume-free
- bactericidal, levurocidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- size 23 x 23 cm
- double packaging



Pack size

- Carton with 20 x 20 wipes softpacks

Sporicidal disinfection



perform® sterile PAA

Sterile ready-to-use solution based on peracetic acid for disinfecting surfaces.

Our plus

- fast, effective and sporicidal
- sterile (filled aseptically), sterile filtered (0.2 µm)
- ready to use in a handy, sterile 500 ml spray system
- colour- and perfume-free
- bactericidal, fungicidal, sporicidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- double packaging



Pack size

- Carton with 10 x 500 ml-bottles
- Carton with 10 x 300 ml-bottles

Application aids

- perform® spray bottle holder
- perform® spray bottle holder-plate
- perform® sterile dry wipes



perform® sterile concentrate PAA

Sterile liquid concentrate based on peracetic acid for disinfecting surfaces.

Our plus

- fast, effective and sporicidal
- sterile (filled aseptically) and sterile filtered (0.2 µm)
- convenient 40 ml-single shot bottle
- colour- and perfume-free
- bactericidal, fungicidal, sporicidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- double packaging



Pack size

- Carton with 20 x 40 ml-bottles (each bottle has a single double packaging for ease of introduction through airlock)



perform® sterile concentrate OXY

Sterile, powder concentrate based on active oxygen for disinfecting surfaces.

Our plus

- sporicidal and material compatible
- sterile (x-ray irradiated)
- convenient single use sachets
- colour-free
- bactericidal, fungicidal, sporicidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- double packaging



Pack size

- Carton with 50 x 40 g-pouches (always 5 pouches in one doubled packaging)

Use disinfectants safely.
Always read the label and product information before use.

Use disinfectants safely.
Always read the label and product information before use.

Basic disinfection and cleaning



perform® sterile concentrate Q2

Sterile, liquid concentrate for disinfection and cleaning of surfaces, based on a combination of quaternary ammonium compounds and amine derivatives.

Our plus

- disinfection and cleaning in one step
- sterile (x-ray irradiated) and sterile filtered (0.2 µm)
- alkaline pH, mild alkaline
- bactericidal, levurocidal, virucidal against enveloped viruses (BVDV, Vaccinia)
- rinses off residue-free
- double packaging
- colour- and perfume-free



Pack size

Carton with 20 x 60 ml-bottles
(always 5 bottles in one doubled packaging)

Cleaner



perform® sterile cleaner ND

Sterile ready-to-use solution based on non-ionic surfactants for the cleaning of surfaces.

Our plus

- ready to use
- sterile (x-ray irradiated) and sterile filtered (0.2 µm)
- available in convenient sterile 500 ml spray system
- colour- and perfume-free
- excellent cleaning performance
- double packaging
- bag-in-bottle-system, tested for open-cut sterility over the entire shelf life

Pack size

Carton with 10 x 500 ml-bottles

Application aids

- perform® spray bottle holder
- perform® spray bottle holder-plate

perform® spray bottle holder
-> page 120

Application aids perform® spray bottle holder

Spray bottle holder for cleanrooms A/B.

- compatible with all products of the perform® range with a spray pump
- completely autoclavable
- made from high quality stainless steel
- easy montage



Use disinfectants safely.
Always read the label and product information before use.

Dry, sterile wipes



perform® sterile dry wipes

Sterile and dry wipes. 100 % polyester.

Our plus

- low particle release
- x-ray irradiated
- suitable for cleanrooms A/B
- flexible use for all products in the perform® range
- double wrapped in convenient packs of 10

Pack size

Carton with 10 x 10 wipes softpacks

compatible with perform® sterile PAA 300 ml



perform® sterile premium dry wipes

Sterile and dry wipes. 100 % polyester.

Our plus

- low particle release
- γ-irradiated
- suitable for cleanrooms A/B
- flexible use for all products in the perform® range
- 100 wipes (10 x 10 wipes) three times packed

Pack size

Carton with 3 x 100 wipes



perform® sterile mix dry wipes

Sterile and dry wipes. 55 % cellulose, 45 % polyester.

Our plus

- low particle release
- γ-irradiated
- suitable for cleanrooms A/B
- 55 % cellulose, 45 % polyester
- flexible use for all products in the perform® range apart from Q2
- 100 wipes (10 x 10 wipes) three times packed

Pack size

Carton with 5 x 100 wipes

Overview of the dry and pre-soaked cloth for the clean room

Product	perform® sterile wipes IPA	perform® sterile dry wipes	perform® sterile premium dry wipes	perform® sterile mix dry wipes
Active ingredient	Propan-2-ol	Dry wipes	Dry wipes	Dry wipes
Material	55 % cellulose / 45 % polyester	100 % polyester	100 % polyester	55 % cellulose / 45 % polyester
Wipes size	23 x 23 cm	30 x 30 cm	30 x 30 cm	30 x 30 cm
Number of wipes	20	10	100	100
Perfume	no	no	no	no
Sterile (γ-irradiated)	yes	yes	yes	yes
Grammage	68 g/m ²	130 g/m ²	130 g/m ²	68 g/m ²
Shelf-life	2 years	2 years	3 years	3 years

Our dry wipes have been tested with all products from the 'perform® sterile' range. Detailed information on the compatibility and standing time are available on request.

Use disinfectants safely.
Always read the label and product information before use.

X-ray: the new procedure for product sterilisation.



Use of sterile cleaning agents and disinfectants is a prerequisite according to Annex 1 of the EU Good Manufacturing Practice guidelines: manufacture of sterile medicinal products in class A and B clean rooms. Various processes are used to sterilize the products used. Traditionally, the products are sterilized by gamma irradiation. In this irradiation process, the photon radiation is generated by means of a radioactive source (cobalt 60).

Schülke's ongoing aspiration is to continuously improve the framework conditions for increasing sustainability and delivery reliability by means of concrete measures.

True to this motto, schülke will use new technologies and

sterilize its future sterile products by means of the so-called X-ray procedure using X-rays. In both procedures, the sterilization is carried out using photon radiation, only the source differs. While photon radiation is generated by means of a radioactive source (cobalt 60) in gamma irradiation, photon radiation in the X-ray procedure is generated from electricity.

The equipment and procedures for X-ray irradiation (X-ray) comply with the international standards, including the requirements for quality management of medical devices according to ISO 13485, ISO 11137: Sterilization of health care products - radiation, cGMP and the FDA guidelines.

Sterile sporicidal wipes – easy to prepare, simply effective.

Sporicidal disinfection – an absolute must inside the cleanroom.

Sporicidal disinfection in cleanrooms is of particular importance and is a regulatory requirement:

Annex 1 EU-GMP-Leitfaden:

„61 ... Where disinfectants are used, more than one type should be employed. Monitoring should be undertaken regularly in order to detect the development of resistant strains.“

PIC/S, PI007-6

(Pharmaceutical Inspection Convention Scheme):

„9.4.2 Sporicidal agents should be used wherever possible but particularly [...] in aseptic areas“



Sterile wipes self made: Take the ready-to-use solution perform® sterile PAA combined with the dry wipes.

Sporicidal agents – a complex subject

Sporicidal oxidative agents present a variety of challenges in use. Often, the material compatibility represents a problem, and the exposure is also critical for the user.

Even the manufacture of sterile disinfectants containing such oxidative agents is complicated, because they generally cannot be sterilised by gamma irradiation.

The stability of these kinds of agents in combination with wipes can also be problematic. For example, pre-saturated disinfectant wipes containing oxidative agents such as peracetic acid are difficult to stabilise, because these agents are usually broken down as a result of reacting with the material.

Why peracetic acid and why wipes?

Peracetic acid is primarily characterised by its very broad and rapid activity – even against exceedingly resistant spores. In addition, peracetic acid is also effective when used in low concentrations and at low temperatures. The active substance is biodegradable and leaves behind virtually no residues on the treated surfaces.

Compared to spray disinfection, wiping down surfaces boasts a number of advantages: a more even and better wetting of surfaces, a mechanical action in addition to the chemical action of the disinfectant, better reproducibility of the application, lower aerosol development than with spraying, as well as the removal of dirt and germs that are absorbed by the wipe.

Use disinfectants safely.

Always read the label and product information before use.

schülke therefore recommends: Where wiping is possible, spray disinfection should not be used.

Sterile sporicidal wipes

In spite of the known problems of oxidative agents regarding the irradiation treatment and the combination with wipes, schülke offers sterile sporicidal wipes for use inside the cleanroom.

For this, the ready-to-use peracetic acid solution perform® sterile PAA is combined with the perform® sterile dry wipes. The disinfectant is poured over the wipes inside the soft pack after being brought into the cleanroom. The wipes in the soft pack are evenly saturated and are stable for 24 hours.

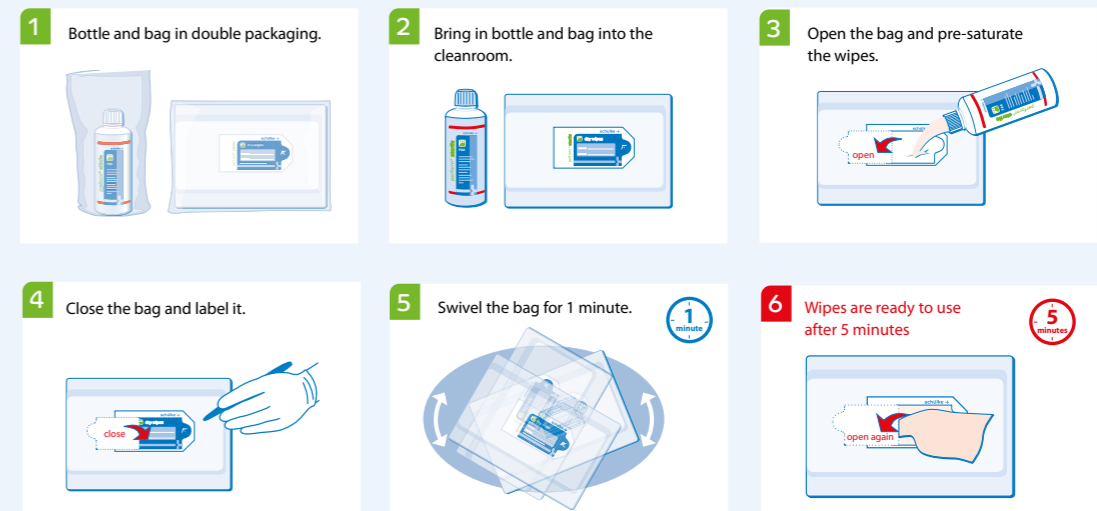
schülke has also managed to sterilise the ready-to-use peracetic acid solution perform® sterile PAA by gamma radiation without compromising on efficacy. This procedure has been patented.

You can combine the two products depending on your requirements and prepare 'sterile sporicidal wipes' directly inside the cleanroom. The quantity of disinfectant solution to be used is perfectly matched to the wipes – this was confirmed by the successful 4-field test (EN 16615), which showed that the combination is effective after a contact time of 2 minutes. After a contact time of 5 minutes, the product has a sporicidal effect (EN 13697).

■ An altogether easy, safe and above all highly effective disinfection in your cleanroom!

Preparing sterile, sporicidal wipes by yourself – how it works:

Instruction about preparing sterile, sporicidal wipes with perform® sterile PAA and dry wipes perform® sterile dry wipes.



Our plus

- individual application solution
- sporicidal action after 5 minutes (EN 13697)
- less aerosol development by wiping

Article | Pack size

perform® sterile dry wipes
Carton with 10 x 10 wipes

perform® sterile PAA
Carton with 10 x 300 ml-bottles
(always 5 bottles in one doubled packaging)

Use disinfectants safely.

Always read the label and product information before use.

Hygiene is the most important instrument.

safe. clean. schülke.

The hygienic care and decontamination of medical instruments in medical usage demands an efficient and highly effective formulation which is attuned to the challenges of everyday clinical routine.

Precision and ergonomic handling are two of the most important features of instruments, the cleaning and disinfection of these instruments has to work just as precisely.

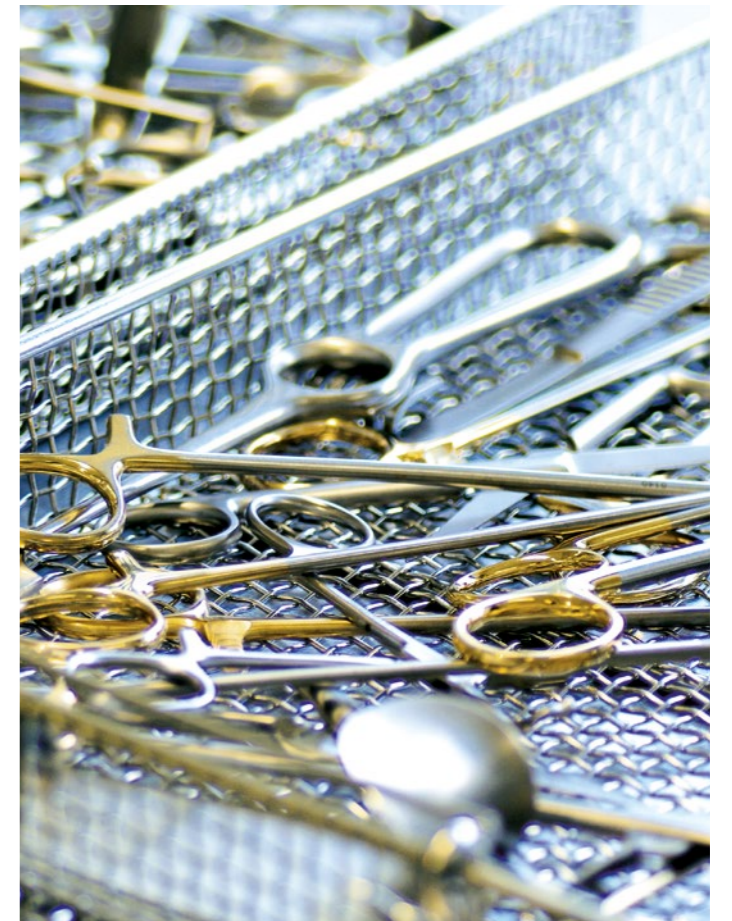
The comprehensive offering of innovative formulations sets international safety standards based on these challenges ensuring a high level of safety for users and patients in the automated and manual cleaning of instruments.

Increased demands on decontamination make material compatibility just as important as a broad spectrum of disinfection efficiency.

The entire schülke product portfolio is developed with the most up-to-date scientific principles, is extensively tested and meets all legal requirements.

Reliable preparations with short contact times and low use concentrations are essential to ensure smooth and fast reprocessing.

Well protected through a secure reprocessing.



schülke has got everything to threaten germs ...



... cleaning and disinfection for manual and automated reprocessing.



Instruments	Application	Listings	Efficacies	Page
Manual reprocessing	Cleaning Disinfection Care	VAH - listing IHO virucidal list tested according to Euro norms BIC TB	bactericidal tuberculocidal mycobactericidal levurocidal fungicidal enveloped virus virucidal Poliovirus Adenovirus Norovirus (MNV) HPV/Polyoma SV40 Rotavirus Clostridium difficile sporidial(B sub-tillis) in an ultrasonic bath	
Pre cleaning				
gigazyme®	•			94
edisonite® classic	•			94
mucosol®	•			94
Disinfection				
gigazyme® X-tra	• •	• •	• •	96
gigasept® Instru AF	• •	• • • •	• • • •	96
gigasept® AF	• •	• • • •	• • • •	96
gigasept® AF forte	• •	• • • •	• • • •	97
mucocit® T	• •	• • • •	• • • •	97
Final disinfection				
gigasept® pearls	• •	• • • •	• • • •	98
gigasept® PAA	•	• • • •	• • • •	98
gigasept® PAA concentrate	•	• • • •	• • • •	98
gigasept® FF (new)	•	• • • •	• • • •	99

For regulatory reasons (in particular changes in standards), claims for individual products may change at any time. For binding, current recommendations for use and efficacy, please refer exclusively to the product-specific documentation or visit www.schuelke.com.

Instruments	Application	Application areas	Page
Automated reprocessing	Cleaning Rinse aid Disinfection Neutraliser	CSSD Endoscopes (thermosensitive flexible endoscopes) Bed and container washers Bed pans	
thermosept® X-tra	•	•	103
thermosept® alka clean forte	•	•	103
thermosept® RKF	•	•	104
thermosept® NKZ	•	•	104
thermosept® NKP	•	•	104
thermosept® BSK	•	•	105
thermosept® NDR	•	•	105
mucapur® MP (powder)	•	•	105
thermosept® EndoCleaner	•	•	108
thermosept® ER	•	•	108
thermosept® ED	•	•	108
thermosept® PAA	•	•	109
thermosept® SKS	•	•	109

For regulatory reasons (in particular changes in standards), claims for individual products may change at any time. For binding, current recommendations for use and efficacy, please refer exclusively to the product-specific documentation or visit www.schuelke.com.

Safety is the top hygiene priority. Clinically clean applications in all areas.

Classification of medical devices*

Classification	Use	affects ...	Preparation
Uncritical medical devices	Only contact with intact skin	e.g. stethoscope, ECG electrodes	Cleaning and disinfection**
Semicritical medical devices (risk group A)	Contact with mucous membrane or through illness modified skin as well as the use in not sterile body cavity.	e.g. teething rings, rigid rectoscopes, proctoscopes	Cleaning and a virucidal manual disinfection**
Semicritical medical devices (risk group B)		Medical devices with higher requirements for the preparation, f.e. flexible endoscopes, additional instruments	Cleaning and a virucidal manual, but preferred automated disinfection**
Critical medical devices (critical A)	Getting through the skin/ mucous membrane, penetration of tissue,	e.g. retractors	Cleaning and disinfection, as well as sterilisation**
Critical medical devices (critical B)		e.g. endoscopes, additional instruments, biopsy forceps	Cleaning and disinfection, as well as sterilisation**
Critical medical devices (critical C)	use in sterile body cavity, where the contact with blood, inner tissue or organs is possible.	e.g. thermolabile catheters	Cleaning and disinfection, as well as sterilisation** (There needs to be a further certification for the quality management systems by the competent authority)

To prevent contamination, to protect employees and patients.

With the current version of the KRINKO/BfArM recommendation dated 10/2012 'Hygiene Requirements for Reprocessing of Medical Devices', both efficient cleaning of instruments and employee protection during reprocessing are becoming increasingly important!

In accordance with the new requirements regarding the cleaning power and increased safety for employees, new product generations were developed at schülke's research department.

These innovative high-performance cleaning agents ensure excellent removal of infectious contaminations through an optimal combination of potent enzymes and an innovative surfactant system.

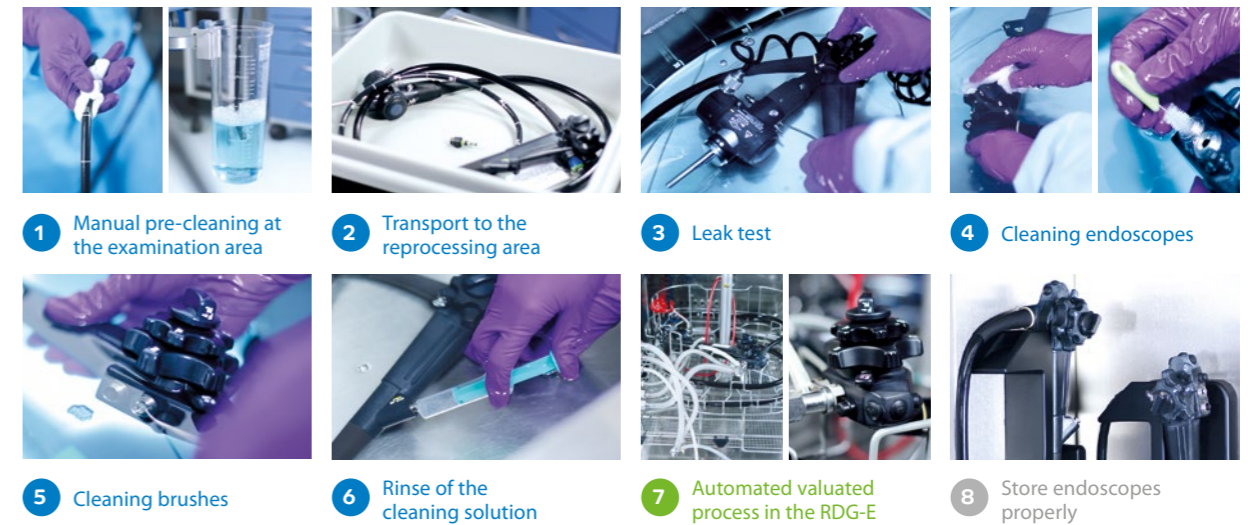
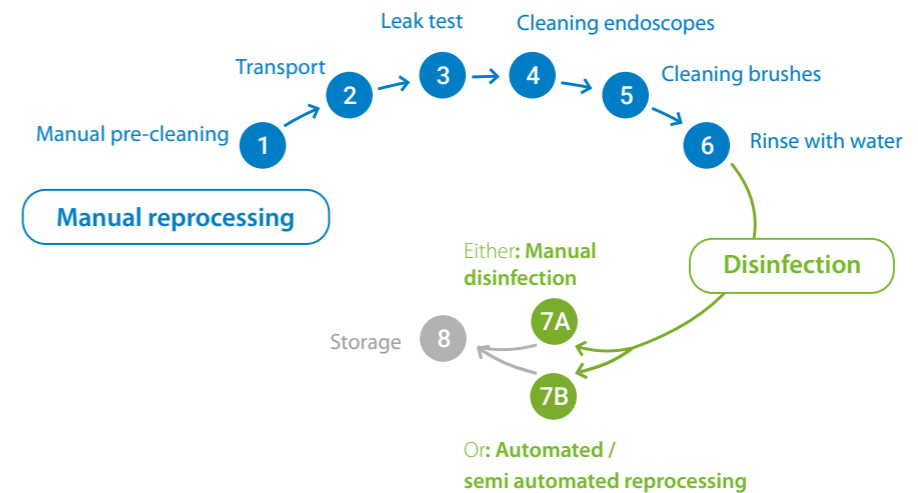


The new cleaning agents with cleaning and disinfecting characteristics of the X-tra generation are available for all relevant areas of reprocessing:

- 1 | Manual pre-cleaning including an antimicrobial effect for employee protection.
- 2 | Manual final disinfection – highly effective disinfectant concentrates with a full spectrum of activity for safe final disinfection.
- 3 | Automated reprocessing of medical instruments and utensils. High-performance, modern process chemicals for the automated reprocessing of thermostable and thermolabile medical devices.
- 4 | Automated endoscope reprocessing – special products to meet the increased demands of chemo-thermal reprocessing of flexible endoscopes. Compatible cleaning agents and disinfectants for use in all common AER (Automated Endoscope Reprocessor) types.

Hygienically clean down to the smallest detail.

Optimally minimise the risk of infection in endoscopy.



No disinfection and sterilisation is safe without thorough pre-cleaning!

Microorganisms can only be effectively inactivated when they are not embedded in dirt, blood or secretions. Thorough cleaning is vital for successful disinfection.

When reprocessing particularly demanding instruments, such as flexible endoscopes, the use of modern high-performance cleaning agents is especially advisable due to the narrow canals or the possible presence of biofilms.

The cleaning strength of the process chemicals plays a key role in manual pre-treatments and in automated reprocessing. Only highly potent products, which are harmonised to each other, can effectively target and remove stubborn organic residues during the process.

* According to: RKI, DGSV

** The German medical devices operator ordinance (Medizinprodukte-Betreiberverordnung (MPBetreibV)) sets out provisions for reprocessing in Sections 2 and 4. It is made clear that reprocessing must take place in accordance with the provisions of the MPBetreibV and the generally acknowledged rules of technology as well as in accordance with the regulations on occupational safety and accident prevention (Section 2, Paragraph 1 MPBetreibV). Reprocessing may only be assigned to qualified staff. (Source: recommendations for the monitoring of the reprocessing of medical devices (RKI/BfArM Recommendations Project Group 22.01.2008))



➔ Safe and efficient during manual reprocessing.

Enzyme power in the manual instrument reprocessing.

gigazyme® X-tra: Control the cleaning – protect the personnel.

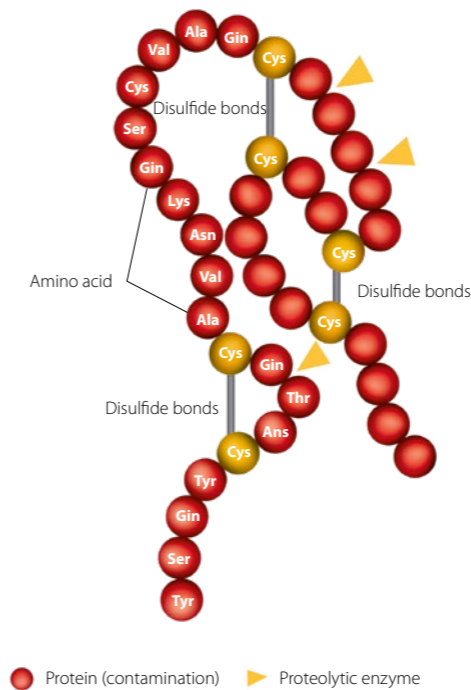
gigazyme® X-tra is a high-performance cleaning agent with basic disinfecting effect for the manual reprocessing of instruments and endoscopes. Its surface-active ingredients help to efficiently remove protein-based residues and ensure RKI-conform pre-treatment*.



X-tra protection for employees and their surroundings. The disinfecting effect and short contact times are decisive for occupational safety, as manual reprocessing harbours a potential risk of infection for employees.

Severely contaminated instruments therefore require potent cleaning and rapid antimicrobial activity. The basic disinfecting effect of gigazyme® X-tra protects employees and their surroundings against contamination with infectious pathogens such as HIV and HBV.

Protein breakdown through enzymes

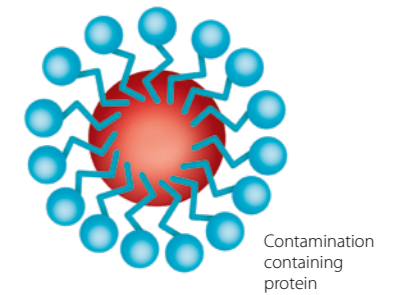


Enzymes accelerate biochemical reactions. The enzyme protease splits proteins into their individual components (peptides, amino acids) and thus reduces contamination risk.

Surfactants – building blocks of a micelle



Contamination containing protein enclosed in micelle



Surfactants consist of a hydrophobic ('waterrepellent') and a hydrophilic ('having an affinity for water') molecular part. They surround materials insoluble in water (e.g. contaminants containing fats) and form small, spherical aggregates which are known as micelles. In this way, contaminants are detached from surfaces and held in suspension and efficient cleaning is made possible.

* German article: Federal Health Gazette 2012 - 55:1244-1310 | © Springer-Verlag 2012

Manual reprocessing – pre-cleaning / disinfecting pre-cleaning



gigazyme®
Enzymatic cleaner for flexible endoscopes and surgical instruments.

Our plus

- good cleaning performance through a mixture of enzymes
- very good material compatibility
- suitable for ultrasonic cleaning
- economic, as small dosage is needed
- pleasant fragrance

Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

Instrument tubs



Page 126



edisonite® classic
Powerful alkaline rapid cleaner with a broad spectrum of application for manual reprocessing.

Our plus

- optimum cleaning results even when used in low concentration
- removes even stubborn residues (e.g. protein, oil, blood and grease, wax and silicone)
- free from caustic alkaline and from chlorine compounds

Pack size

Carton with 12 x 1 kg-cans
5 kg-bucket

Application aids

Instrument tubs



Page 126



mucasol®
Alkaline-based, quick cleaner for potent manual cleaning with a wide range of applications.

Our plus

- potent removal of blood, protein, oil, fat, silicone, tar, wax, tap fat, resin and distillation residues
- high economic efficiency due to low application concentration
- free of caustic alkalis and chlorine compounds
- protection against corrosion damage
- can be rinsed off residue-free and does not affect sensitive laboratory tests
- suitable for use in an ultrasonic bath

Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

Instrument tubs



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Manual reprocessing – cleaning disinfection



gigazyme® X-tra

Multi-enzyme high-performance detergent with disinfecting effect for the cleaning of endoscopes and surgical instruments.

Our plus

- excellent cleaning performance in combination with staff and environment safety
- suitable for ultrasonic cleaning
- very good material compatibility



Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

Instrument tubs



Page 126



gigasept® Instru AF

Disinfection and cleaning for surgical instruments, anaesthesia accessories etc., aldehyde-free.*

Our plus

- aldehyde-free
- broad spectrum of microbiological efficacy• outstanding cleaning power
- pleasant fresh scent
- shortened exposure time in the ultrasonic bath



Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

Instrument tubs



Page 126



gigasept® AF

Aldehyde-free disinfection for surgical instruments as well as rigid and flexible endoscopes.*

Our plus

- aldehyde-free
- effective against enveloped viruses** (incl. HIV, HBV, HCV)
- pleasant fragrance
- suitable for ultrasonic use



Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

Instrument tubs



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Manual reprocessing – cleaning disinfection



gigasept® AF forte

Disinfection and cleaning of rigid and flexible endoscopes, anaesthesia accessories, breathing masks and surgical instruments, aldehyde-free.*

Our plus

- complies with current standard methods and European norms
- effective against tuberculocidal, mycobactericidal, enveloped viruses** (incl. HIV, HBV, HCV)
- optimum composition gives short exposure times even with high contamination
- suitable for ultrasonic use
- pleasant fragrance as aldehyde-free



Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

Instrument tubs



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mucocit® T

Aldehyde-free high-performance disinfectant with strong cleaning effect for manual reprocessing.

Our plus

- at short exposure times
- aldehyde-free and high intensity cleaning performance
- excellent material compatibility, compatible even with sensitive materials
- approved for RICHARD WOLF und KARL STOLZ instruments



Pack size

Carton with 5 x 2 l-bottles
5 l-canister

Application aids

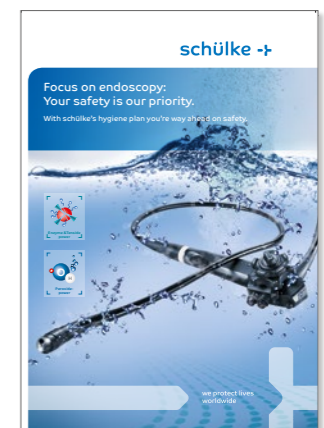
Instrument tubs



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- For further informations please order our brochure

Folder
Focus on endoscopy



* Not for final disinfection of semicritical and critical medical devices.
** in accordance with DW (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014

* Not for final disinfection of semicritical and critical medical devices.
** in accordance with DW (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014

Manual reprocessing – final disinfection



gigasept® pearls

Active oxygen-based instrument disinfectant for manual cleaning and disinfection with a multi-enzyme formula.

Our plus

- microbiological effectiveness via its synergistic combination of active substances plus active oxygen (concluding virucidal disinfection with 2 % in 10 minutes)
- outstanding cleaning performance via its multi-enzyme formula (protease, lipase and amylase) in combination with a neutral pH (non-protein-fixing) and powerful surfactants
- excellent material compatibility even with sensitive materials such as flexible endoscopes
- more user safety – thanks to its the innovative pearl structure – dust-free (no risk of inhalation)
- innovative packaging system for safe and easy removal
- surprisingly pleasant smell



Pack size

- Carton with 4 x 1.5 kg-buckets
- Carton with 6 kg-bucket

Application aids

Instrument tubs



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gigasept® PAA

Ready-to-use high level disinfectant for the disinfection of flexible endoscopes and medical instruments.

Our plus

- aldehyde-free
- broad microbiological effectiveness
- prevention of biofilm
- ready-to-use



Pack size

- 5 l-canister

Application aids

Instrument tubs



Page 126



gigasept® PAA concentrate

High level disinfectant for manual reprocessing of endoscopes and surgical instruments.

Our plus

- effective against bacteria, yeasts, viruses and spores (incl. Clostridium), enveloped viruses* (incl. HIV, HBV and HCV)
- short contact time
- no activation time required



Pack size

- Carton with 12 x (2 x 100 ml)-bottles

Application aids

Instrument tubs



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Manual instrument reprocessing – final disinfection



gigasept® FF (new)

A preparation based on succindialdehyde for manual disinfection of surgical instruments and sensitive medical instruments.

Our plus

- complies with current standard methods and European norms
- mycobactericidal, virucidal, tuberculocidal, sporicidal
- outstanding material compatibility
- particularly suitable for thermolabile and thermostable endoscopes
- wide area of application according to tests with high organic contamination
- standing time of clean and not contaminated solution up to 7 days
- formaldehyde-free



Pack size

- Carton with 5 x 2 l-bottles
- 5 l-canister

Application aids

Instrument tubs



Page 126



* in accordance with DWV (German Registered Association for Combating Viral Diseases)/RKI Guideline 12 / 2014

The new, strong schülke product generation for the best hygiene conditions.

These cleaning agents and combined cleaning and disinfecting solutions were developed for all relevant areas of instrument reprocessing; they also offer added protection for users and patients.

gigasept® pearls

Universal cleaning and disinfection of thermostable and thermosensitive medical instruments of all types. Particularly suitable for flexible endoscopes and sensitive materials such as silicone, polycarbonate, polysulfone and acrylic glass. gigasept® pearls are compatible with all schülke process chemicals for automated reprocessing.



thermosept® X-tra

Modern, high-performance cleaner for the automated reprocessing of medical instruments. Suitable for use in washer-disinfector types and tunnel-washer systems and approved for the reprocessing of robotic instruments including Intuitive Surgical EndoWrist instruments. Meets the current requirements of the KRINKO/BfArM recommendation regarding decreasing the risk for vCJD (prions).



thermosept® PAA base and additive

Active oxygen-based disinfection of flexible endoscopes in AERs. Good material compatibility due to a 2-component system. Disinfection components are compatible with the mild alkaline cleaning agent thermosept® EndoCleaner.



High performance for automated reprocessing of instruments.



Enzyme power in automated instrument reprocessing.

thermosept® X-tra: cleaning performance through high-performance enzymes and an innovative surfactant system.

thermosept® X-tra is used for the automated cleaning of medical instruments in washer/disinfectors, bed and container washers.



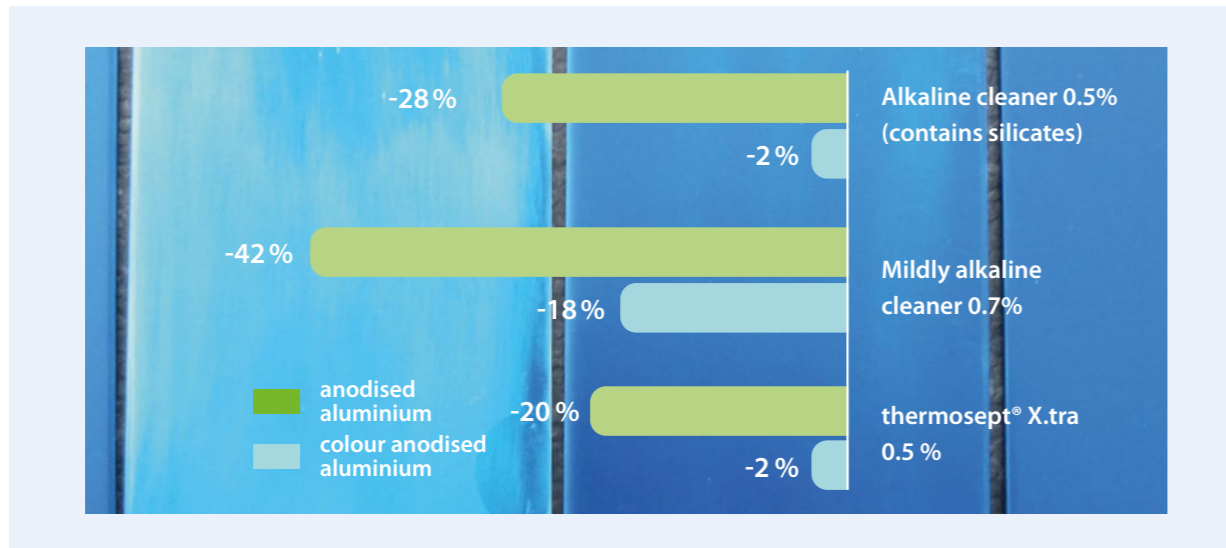
When used as a single agent at a low dosage, thermosept® X-tra (recommendation: 0.5 %) is very economic and exceptionally material-friendly. With a pH value of >10, a 10-minute cleaning time and an increased pro-

cess temperature (at least 55 °C) in the cleaning solution, thermosept® X-tra contributes to decreasing the risk for vCJD (prions) in accordance with the RKI recommendation.

X-tra material compatibility due to balanced corrosion protection.

Percentage erosion of the anodised layer after 30 cycles.

The synergistic combination of active ingredients allows excellent compatibility with materials, even with sensitive materials such as anodised aluminium and non-ferrous metal.



The material compatibility of the process chemicals with regard to anodised aluminium was investigated on defined anodised test specimens in a process similar to actual practice. For this purpose, the test specimens underwent 30 mildly alkaline processing cycles using an automatic method (pre-rinsing, cleaning: 10 min. at 55 °C, rinsing, thermal disinfection, drying). Due to the elimination of the subsequent sterilization and the rapid sequence of cleaning steps, this process run represents particularly great material compatibility demands. The diagram shown indicates, as an example, the percentage erosion of a typical 15-µm thick anodised layer after 30 cycles in the test model described. thermosept® X-tra is superior to other mildly alkaline cleaning agents as well as to process chemistry containing silicates, based on material compatibility. Silicates in alkaline cleaning agents offer comprehensive material protection, however they are suspected to cause discolorations and coatings on stainless-steel surfaces which should be avoided.

Automated reprocessing – CSSD

No chance for a mix-up!

The schülke colour code system for your automated reprocessing of instruments:



Cleaner



Neutraliser



Disinfection



Rinse aid



Cleaner



thermosept® X-tra

Mildly alkaline cleaner based on surfactants and enzymes for universal cleaning of medical instruments and accessories.

Our plus

- excellent cleaning performance due to synergistic combination of active substances of enzymes and surfactants
- value preservation due to optimised material compatibility
- high economic efficiency due to low working concentration
- pH of >10 in the cleaning solution – risk reduction in the case of vCJK (prions) according to the recommendation of the KRINKO/BfArM
- approved for the use to reprocess robotic instruments (Intuitive Surgical EndoWrist) within Miele ROBOTVARIO X-TRA process
- free of silicates

Pack size

- 5 l-canister
- 10 l-canister
- 20 l-canister
- 200 l-drum
- 500 l-container



Cleaner

thermosept® alka clean forte

Alkaline cleaner containing surfactants for automated reprocessing of medical instruments and accessories used in surgery, anaesthesia and care.

Our plus

- alkaline instrument cleaner
- minimises risk of iatrogenic transfer of CJD/vCJD (according to KRINKO/BfArM-recommendation)
- broad range of applications

Pack size

- 5 kg-canister
- 10 kg-canister
- 20 l-canister
- 200 kg-drum

Automated reprocessing – CSSD



Cleaner

thermosept® RKF

Surfactant-free alkaline cleaner for automated reprocessing of medical instruments and laboratory utensils.

Our plus

- very powerful high alkaline cleaner
- without phosphates and tensides
- best properties for laboratory use
- low foaming and good rinsing characteristics

Pack size

- 5 kg-canister
- 10 kg-canister
- 200 l-drum



Neutraliser

thermosept® NKZ

Neutraliser based on citric acid for automated reprocessing of medical devices.

Our plus

- avoids residues due to cross over effects
- optimises cleaning results after neutral cleaning
- phosphate-free
- excellent material compatibility
- safe neutralization after alkaline cleaning

Pack size

- 5 kg-canister



Neutraliser

thermosept® NKP

Neutraliser based on phosphoric acid for the automated reprocessing of medical devices.

Our plus

- effective neutralization after alkaline cleaning
- can also be used as acidic cleaner, basic cleaner for stainless steel instruments or for basic cleaning of WD chambers

Pack size

- 6 kg-canister

Automated reprocessing – CSSD



Rinse aid

thermosept® BSK

pH neutral rinse aid for automated instrument reprocessing.

Our plus

- assures a spot-free drying
- fastens the drying process
- very good material compatibility

Pack size

- 5 kg-canister
- 20 l-canister
- 200 kg-drum



Disinfection

thermosept® NDR

Aldehyde-free disinfectant cleaner for the chemo-thermal reprocessing of bed frames and containers.

Our plus

- aldehyde-free
- pH-neutral
- compatible with pH neutral rinse aid thermosept® BSK

Pack size

- 20 l-canister
- 200 kg-drum



Cleaner

mucapur® MP

Universally applicable powdered cleaner for automated, alkaline reprocessing of medical devices and laboratory utensils.

Our plus

- outstanding cleaning ability and soil removal
- ideal for cleaning of laboratory glassware and laboratory utensils
- high material compatibility
- economic use concentration

Pack size

- 5 kg-bucket

Automated reprocessing – CSSD

Our services for your CSSD.

Service plus	For your benefit:
Preparation result and process quality: Analyses, assessment and offers for procedures and overall concepts	Shorter reprocessing times, less consumption, lower costs, higher-quality results, faster methods, value preservation
Process control: Measurement and documentation of program parameters	Target/actual value comparison, verification of values, A ₀ concept
Surface analysis: Examination of surface changes, including with X-ray fluorescence	Implementation of countermeasures and guarantee of functionality
Water and liquor composition: Analysis of selected parameters, e.g.: <ul style="list-style-type: none"> • pH value • conductivity • Silicate • Chloride • hardness, carbonate hardness and residual hardness • determination of concentrations 	Adherence to thresholds, ensuring target values, value preservation, avoidance of surface changes <ul style="list-style-type: none"> • meeting of generally valid recommendations, e.g. RKI • testing for potential residual quantities and transmission • avoidance of stubborn discolorations • protecting against pitting corrosion • ensuring sufficient water quality • testing and optimisation of the cleaning performance
Recirculation and dosing systems: Design, planning and installation in existing facilities, for renovated and new buildings, testing and maintenance	Simplification of dosing, fulfilment of the strictest requirements regarding exact dosing, e.g. for individual machines, conveyor belt systems and container cleaning units
Dosing units: Start-up, inspection, maintenance and repair	Sustained correct and reliable dosing
Product advice: Advice for selecting process chemicals and creating individual program procedures	Consideration of the special conditions on site; coordinated products
Legal requirements: Recommendations for adapting processes	Legal certainty through compliance with legal regulations

Special canisters

As an alternative to the flat 5 kg-canister form usually used for the automated reprocessing of instruments schülke also offers a high special-canister, for some applications areas (e.g. for bed pan reprocessing). Compared to the flat canister form, the special canisters are higher and thinner.



Flat canister
(Picture thermosept® SKS)

Sizes (H x W x L):
Flat canister: 244 x 143 x 219 mm



Special canister
(Picture thermosept® SKS)

Sizes (H x W x L):
Special canister: 195 x 149 x 247 mm



Automated reprocessing for flexible endoscopes.

Automated reprocessing – flexible endoscopes



Cleaner



thermosept® EndoCleaner

Mildly alkaline cleaner for the automated reprocessing of flexible endoscopes.

Our plus

- powerful formulation based on surfactants and enzymes for a fast and effective cleaning of flexible endoscopes
- very good material compatibility
- very economical due to a low dosage
- minimises the building up of coverings on the machines
- outstanding cleaning ability proven by Hygiene Institute of Mag. Dr. Miorini Graz

Pack size

- 5 l-canister
- 6-pin 5 l-canister

thermosept® EndoCleaner can be used in all AER of all main producers, like Belimed, BHT, Getinge, Olympus, Steelco, Steris and Wassenburg. thermosept® EndoCleaner is compatible with the disinfectant components thermosept® ED and thermosept® PAA within an automated chemo-thermal process.



Cleaner

thermosept® ER

Enzyme cleaner concentrate for the automated reprocessing of flexible endoscopes.

Our plus

- ph neutral
- excellent material compatibility
- excellent in combination with thermosept® ED
- low foaming

Pack size

- 5 l-canister
- 20 l-canister



Disinfection



thermosept® ED

Highly effective disinfection component for the chemo-thermal reprocessing of flexible endoscopes.

Our plus

- broad antibacterial spectrum (bacteria, yeasts, viruses, spores)
- excellent material compatibility
- proven compatibility with schülke cleaners thermosept® ER and thermosept® EndoCleaner
- low foaming

Pack size

- 5 l-canister
- 20 l-canister
- 200 l-drum

Automated reprocessing – flexible endoscopes



Disinfection



thermosept® PAA

High level disinfectant system based on peracetic acid for chemo-thermal reprocessing of flexible endoscopes.

Our plus

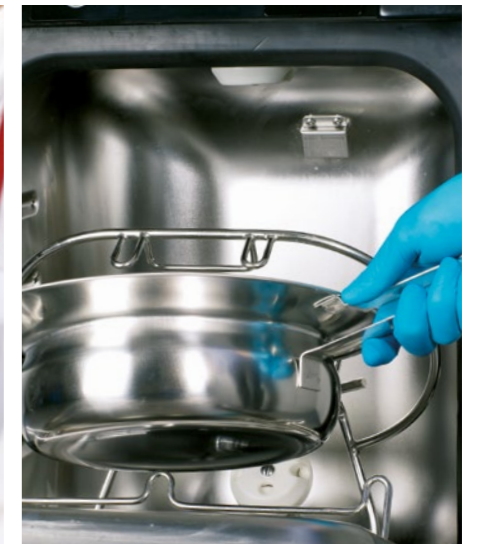
- special peracetic acid based formulation
- very comprehensive antimicrobiological efficacy (incl. bacteria, mycobacteria, viruses, spores)
- very short contact time: 5 min. at low temperatures
- good material compatibility due to 2-component system
- proven compatibility with schülke cleaner thermosept® EndoCleaner

Also available: thermosept® PAA base/additive in 200 l-drums for big reprocessing units

Pack size

- thermosept® PAA base
Carton with 2 x 5 l-canisters (flat)
200 l-drum
- thermosept® PAA base Adapter
4 l-canister
- thermosept® PAA additive
Carton with 2 x 5 l-canisters (flat)
200 l-drum

Automated reprocessing – bed pans



Softener

thermosept® SKS

Acidic softener component for the thermal reprocessing of bed pans. Suitable for the use in all common bed pan washer types.

Our plus

- removes existing limescale deposits
- non foaming (tenside-free)
- stops the building up of coatings caused by water residues

Pack size

- 5 kg-canister
- 5 kg-canister (special canister)



Technology of cleanliness.

The best hygiene product can only be fully effective if it is correctly dosed and applied. schülke hygiene technology makes it easy for you – reliably.

If staff members dilute concentrates to make ready-to-use solutions, this creates uncertainties regarding health protection, dosing accuracy and environmental protection.

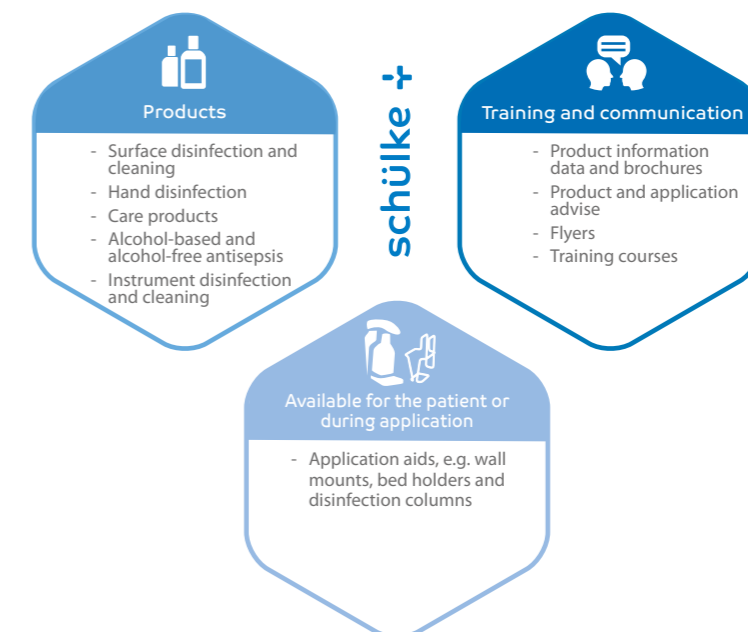
When developing and producing our products, we pay particular attention to energy consumption, shelf life, stocking of spare parts as well as later disposal of old units.

schülke hygiene technology develops **dosing devices** which are manufactured under strict compliance with the aspects of occupational safety and accuracy. When solutions are prepared manually, there is frequently the problem of overdosing – according to the motto 'the more the better'. The devices fully eliminate the chance of incorrect dosing. This is friendly to the environment and the wallet at the same time.

Our **application aids** ensure that preparations are immediately available in appropriate quantities and dosages. This contributes significantly to infection protection. In order for cleaning, disinfection and sterilization to be able to be performed locally, the application aids must be available at all times. All application aids are manufactured according to the most current requirements regarding environmental protection and occupational safety.

The schülke hygiene technology concept includes all elements which make life as easy as possible for our customers with regard to products and application. In addition to comprehensive support, this also includes training sessions, information on preparations and product brochures.

Technology for the highest hygiene requirements.



Manage hygiene successfully with technology.



Hygiene technology, from which every department benefits!

Hygiene technology		Entrance hall	Emergency rooms	Staff rooms	Patient rooms	Hallways	X-ray rooms	Operating theaters	Intensive care	Producing pharmacies	Endo-scopes	Technical rooms	Page
Dispensers	hyclick®												115
	Type KHN touchless												116
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	wall holder for kodan® mikrozyd® tubs												119
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Water filters	FILT'RAY2G (can also be used for example in bathing tubs)												124
Application aids	dosing sets • dosage pumps • spray pumps • canister dosage system • key for canister • tap for canister • dosing device with adapter • measuring beaker • coat clip												127

This chart is only an orientation and can be adjusted according to the individual needs of each institution.

hyclick® system Ingeniously safe:
Bottle and pump are tightly attached.



Perfect for the use
at the point of care

The hyclick® bottle

- unique single-use system
- the pump and bottle are firmly combined and become one
- non-removable screw top pump prevents reuse and offers maximum protection against contamination
- the 'first-opening' red safety clip ensures that the bottles have never been used.

A new hyclick bottle with pump is used every time the hyclick bottle is empty – resulting in an effortless bottle change. Effective protection against contamination.

Ingeniously combinable: hyclick® for a wide range of applications.



In the hyclick® dispenser

As a stand-alone

In the wall mount

In the bed bracket

In the universal bottle holder

Ingeniously flexible: Match your hyclick® system individually.



desderman® care hyclick® bottle
Carton with
20 x 500 ml
10 x 1000 ml

desmanol® pure hyclick® bottle
Carton with
20 x 500 ml
10 x 1000 ml

sensiva® wash lotion hyclick® bottle
Carton with
20 x 500 ml
10 x 1000 ml

esemtan® wash lotion hyclick® bottle
Carton with
20 x 500 ml
10 x 1000 ml

S&M Waschlotion hyclick® bottle
Carton with
20 x 500 ml
10 x 1000 ml



Use disinfectants safely.
Always read the label and product information before use.

hyclick® system Ingeniously safe:
hyclick®-dispenser and hyclick®-bottle.



Easy assembly on schülke
and usual wall holders

Minimal cleaning thanks
to the stylish, curved design



Adjustable dosage:
approx. 1.5 ml or 3 ml



Easy bottle change
with just one 'click'



Suitable for 1000 ml- and
500 ml-bottles thanks to the
adapter in the vario version



hyclick®

hyclick® dispenser, suitable for specialised 500 ml- and 1000 ml-hyclick® bottles.
For the application of hand disinfectants and wash lotions.

Our plus

- belongs to the hyclick system
- adjustable dosage: approx. 1.5 ml or 3 ml per stroke
- high-quality plastic case / white
- minimal cleaning effort thanks to the single-use concept / operating lever can be easily cleaned by wiping
- easy wall assembly
- compatible with all 500 ml and 1000 ml-hyclick® bottles

Product

hyclick® dispenser 1000 ml
hyclick® dispenser Vario 500 ml / 1000 ml

Application aids

hyclick® 500 ml-adapter
drip-plate



Shelf life of alcoholic disinfectants in hyclick®dispensers once opened:
same shelf life as in the opened original container

Further information under:
www.hyclick.com



Use disinfectants safely.
Always read the label and product information before use.

Dispensers



Type KHK | Type KHL | Type KHN touchless

Simple and exact dosage of hand disinfection, wash- and cream lotions.

Our plus

- complies with requirements of the professional association (BGR 250/TRBA 250) and workplace ordinance
- adjustable dosage: 0.75 ml up to 1.5 ml
- aluminium case / anodised (bacteriostatic effect)
- autoclavable and dishwasher-safe dispenser (except KHN touchless)
- easy wall assembly
- compatible with 500 ml bottle and 1000 ml euro bottle

Pack size

- KHK 500 ml
- KHK 1000 ml
- KHL 500 ml
- KHL 1000 ml
- KHN touchless 500 ml
- KHN touchless 1000 ml

Application aids

- for Type KH dispensers:
- Cup holder
 - Locking plate
 - Angle plate
 - Metal pump
 - Plastic pump
 - Single-use pump

Shelf life of alcoholic disinfectants in type KH dispensers once opened: **6 months***

The RKI** recommends that all dispensers must be thoroughly disinfected and cleaned before they are refilled.

Every dispenser has its own method to get reprocessed. These steps must be fulfilled, so the optimal result can be reached.

How to reprocess a dispenser.

- 1** Remove pump
- 2** Changing the pumps according to the individual instructions for use for each KH dispenser.
- 3** Only clean with warm water and not with corrosive (chlorinated) cleaners or scouring agents. Rinse the pump until all soap rests and re-fattening agents have disappeared and then rinse with a surface disinfectant and after the acting time rinse again, so that no disinfectant is left in the pump. If adhesive bonding of the pump occurs when the dispenser has not been used for a while, rinse and pump hot water through the dispensers until the function is back again.

* Packaging in wall dispenser systems are regarded as open, even if the special construction of the dispensers protects the product perfectly.
** Robert Koch Institute.

Dispensers



sm 2 500 | sm 2 universal

Simple and exact dosage of hand disinfection, wash- and cream lotions.

Our plus

- no recontamination or evaporation of the product due to unique pump function and integrated bottle closure
- adjustable dosage: approx. 1, 2 or 3 ml per stroke
- high-quality plastic case / white
- easy to clean
- no drips, no leakage while using
- easy wall assembly
- compatible with 500 ml and 1000 ml bottles as well as 1000 ml euro bottle

Pack size

- sm 2 500
- sm 2 universal

Application aids

- drip-plate sm 2 500 / sm 2 universal
- Spare pump (complete)

Shelf life of alcoholic disinfectants in type sm dispensers once opened: **12 months***

Two methods for reprocessing dispensers using the sm 2 500 as an example.

Method 1

- Tools are not needed to dismantle the dispenser. The smooth and polished surfaces make cleaning and a disinfection with for example perform® or mikroqid® AF wipes very easy.
- Fill up a 5 litres instrument bath with a 2 % perform® solution. Immerse the pumps in inside of the solution and pump three times. After 30 minutes of contact time, please repeat this process. *wait 60 mins.*
- After the exposure time is up lay the pump into in hygienically safe water (for example with a schülke filtration) and press the pump 6 x to rinse the solution through. *wait 30 mins.*
- Afterwards dry the pump with a wipe.
- After a quick and easy installation the dispenser is ready to use again.

Method 2

- Take the product bottle out of the wall dispenser. The smooth and polished surface make it easy to clean or disinfect using, e.g. perform® or mikroqid® universal wipes.
- Take the bottle of antifect® N liquid out of the dispenser and pump until the tube is completely empty. Again catch the liquid in a beaker. *wait 5 min.*
- Take the bottle of antifect® N liquid out of the dispenser and pump until the tube is completely empty. Again catch the liquid in a beaker.
- Dry the tube by wiping it with a dry wipe, so that all residues are removed.
- Hang a bottle of the desired product back into the dispenser and pump 20 x in a beaker. The content of the beaker can be disposed in the waste water.
- After that the dispenser is ready to be used again.

sm 2 pump

This pump can also be dismantled without using any tools.

* Packaging in wall dispenser systems are regarded as open, even if the special construction of the dispensers protects the product perfectly.

Use disinfectants safely.
Always read the label and product information before use.

Hygiene column



Touchless dispenser PA1

The new standard for touchless hand hygiene in public areas.

Our plus

- exclusive dispenser especially for entry area
- intuitive handling due to touchless sensor
- adjustable dosage
- high-quality stainless steel construction
- lockable
- integrated drip tray
- compatible with 1000 ml bottle and 1000 ml euro bottle

Product

touchless PA1

Application aids

disinfection column for touchless PA1

schülke disinfection column

The compact and practical solution for flexible disinfection columns.

Our plus

- compatible as standard with hyclick®, sm 2 and KH dispensers
- perfect for entrance areas and places where wall mounting of dispensers is not desired or possible
- powder-coated steel for optimal and easy cleaning
- simple and quick installation

Product | Measurements

Stainless steel column for dispensers
 Measurements (H x W x D) 1395 x 450 x 160 mm
 Material Steel, white powder-coated
 Weight 16.5 kg



hyclick®



sm 2



KH

The euro bottle...

... the alternative to the normal 1000 ml-bottles to be used in the KH dispenser.

Container	(L x W x H)
euro bottle 1000 ml	71.5 x 88 x 205 mm (210 mm incl. closure)
standard 1000 ml	102 x 79.5 x 197 mm (205 mm incl. closure)
standard 500 ml	65 x 72 x 163 mm (171 mm incl. closure)



euro bottle
(picture desderman® care)



Pic. KHN (touchless)

Holders



wall holder for square bottles

Plastic wall holders.

Our plus

- can be used for 500 or 1000 ml-bottles as well as hyclick®-bottles
- made from stable plastic
- back side has four wholes for drilling
- alcohol resistant

Product | Measurements

500 ml-square bottle
 Measurements (H x W x D) 114 x 83 x 80 mm
1000 ml-square bottle
 Measurements (H x W x D) 135 x 94 x 115 mm



universal bottle holder for square bottles

Bottle holder for an easy installation on tubular frames.

Our plus

- suitable for vertical and horizontal tubular frames (e.g. bed frame or hospital trolley)
- can be rotated through 360°
- can be used for 500 or 1000 ml-bottles as well as hyclick®-bottles
- made from stainless steel
- easy to disinfect
- non-slip grip

Product | Measurements

500 ml-universal bottle holder
 Measurements (H x W x D) 105 x 78 x 130 mm
1000 ml-universal bottle holder
 Measurements (H x W x D) 125 x 85 x 160 mm



bed bracket for square bottles

Bed bracket for an easy montage on the bed frame.

Our plus

- can be used for 500 or 1000 ml-bottles as well as hyclick®-bottles
- very stable wire construction
- for attachment to the bed frame
- autoclavable
- stainless steel round material

Product | Measurements

1 500 ml-square bottle (straight holder)
 Measurements (H x W x D) 110 x 70 x 120 mm
2 500 ml-square bottle (bent holder)
 Measurements (H x W x D) 110 x 70 x 120 mm
1 1000 ml-square bottle (straight holder)
 Measurements (H x W x D) 145 x 85 x 150 mm
2 1000 ml-square bottle (bent holder)
 Measurements (H x W x D) 145 x 85 x 150 mm



wall holder kodan® / mikrozyd® wipes

Universal wall holder for the kodan® wipes and mikrozyd® wipes cans.

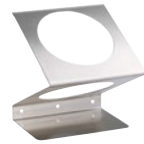
Our plus

- can be used for kodan® wipes, mikrozyd® AF wipes and mikrozyd® sensitive wipes
- stable wire construction
- back side with two holes for drilling
- autoclavable
- stainless steel round material

Product | Measurements

Wall holder kodan® / mikrozyd® wipes
 Measurements (H x W x D) 145 x 74 x 73 mm

Holders



wall holder for mikrozid® wiper *Jumbo*

For mikrozid® AF wiper *Jumbo*, mikrozid® PAA wiper and mikrozid® sensitive wiper *Jumbo* cans or tubs.

Our plus

- can be used in combination with mikrozid® AF wiper *Jumbo*, mikrozid® sensitive wiper *Jumbo*, mikrozid® PAA wiper
- back side with three holes for drilling • autoclavable

Product | Measurements

Wall holder *Jumbo*
 Measurements (H x W x D) 176 x 150 x 145 mm



wall mount softpack

Wall mount for mikrozid® softpacks.

New

Our plus

- 1 • suitable for all mikrozid® wiper softpacks
 - robust stainless steel wall mount
 - prepared drilling holes for the montage on a wall
- 2 • suitable for all mikrozid® wiper softpacks
 - robust stainless steel wall mount
 - easy to disinfect
 - one handed removal up to the last wipe

Product | Measurements

1 Wall mount softpack
 Measurements (H x W x D) 130 x 200 x 90 mm

2 Wall mount softpack premium
 Measurements (H x W x D) 235 x 170 x 155 mm



wall holder schülke wiper

Universal wall holder for schülke wiper buckets and schülke wiper boxes.

Our plus

- 1 can be used with schülke wiper dispenser bucket and schülke wiper safe & easy bagless
 - 2 can be used for the wet wiper dispenser box schülke wiper and schülke wiper safe & easy bag-in-box
- lockable
 - back side with two or four holes for drilling
 - autoclavable
 - stainless steel

Product | Measurements

1 Wall holder for schülke wiper buckets
 Measurements (H x W x D) 110 x 70 x 120 mm

2 Wall holder for schülke wiper boxes
 Measurements (H x W x D) 265 x 180 x 220 mm



wall holder perform® spray bottle holder

Spray bottle holder for all products out of the sterile perform® range (e. g. perform® sterile alcohol EP 500 ml-bottles, perform® sterile alcohol IPA 500 ml- und 1 l-bottles).

Our plus

- compatible with all products with a spray pump from the perform® range
- completely autoclavable
- made from high-quality stainless steel
- easy to montage

Product | Measurements

perform® spray bottle holder
 Measurements (H x W x D) 146 x 40 x 334 mm

perform® spray bottle holder-plate
 Measurements (H x W x D) 150 x 42 mm
 (Recommendation: labeled sticking system)

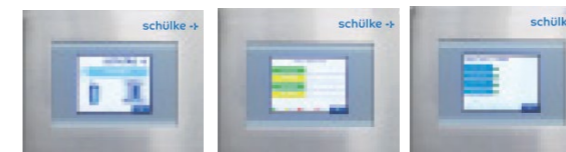
For the preparation of ready-to-use disinfectant solutions.

A strong heart for the CSSD cycle.

The schülke pump des touch – space-saving, efficient, economical.

The schülke pumping station offers robust technology 'Made in Germany' in the smallest of spaces. Modern devices, which operate with minimal servicing and without complicated programming, are housed in space-saving, high-quality stainless steel casings.

The pump des touch offers the following advantages:



Touch screen

- internal status reports (due date for servicing, reserve reports, empty reports, faults) by e-mail
- status reports** to schülke
- device history (contains initial operation, repairs, services, product changes etc.)
- fault history (ring memory with up to 1000 reports)
- users can select language of their choice (9 languages)
- audible and visual signalling of changes in status
- current status can be read off in images and text (full colour)
- name of product being used is displayed
- remote access from PC, tablet / smart phone*

Economical

- logistical costs minimised through central chemistry room
- wide range of uses (CSSD, endoscopy, conveyer belt units, container washers, bed washing plants, dishwashers in commercial kitchens, washing machines)
- no modification of the equipment necessary*** and, as a result, no loss of the manufacturer's warranty
- less wiring work needed thanks to BUS system
- in most cases, can be integrated into existing units*** at a later date

Personnel

- burden on qualified personnel such as hygiene specialists is relieved
- reduction in number of technically trained staff



Technical data

- cost-effectiveness thanks to central supply from bulk containers (e.g. 200 l Vat or 1000 l container)
- visual signalling of bulk container levels, also on containers
- supports 2-container operations (two bulk containers to one holding tank -> following 'Empty' report, automatic vat switch from Vat 1 to Vat 2 – advantageous during night shifts or weekend operations, for example)
- convey up to 10 products with one unit
- difference in height of up to 8 metres possible between container and holding tank
- distances of up to 100 metres possible between container and holding tank
- maximum consumption of 4,000 litres a month and per product
- maximum withdrawal of 6 litres per hour and per product

Space-saving and efficient

- the pump unit contains powerful pumps, which, thanks to their efficiency, take up very little room
- reliable technology, minimum amount of maintenance required
- space-saving thanks to highly efficient feeding pumps
- The chemical-resistant suction lances are fitted with electromechanical level controls, the need to change containers is displayed in timely fashion.



pump des touch

The central pumping station for use in the CSSD.

Our plus

- central supply from bulk containers
- logistics and warehousing of small batches are reduced
- automatic vat switch from Vat 1 to Vat 2
- convey up to 10 products with one unit

Product

pump des touch

* Connection to the local network needed
 ** Connection to a mail server needed
 *** Requirement: machine with its own dosing mechanism for liquid products

* dispenser is not included in the delivery

For the preparation of ready-to-use disinfectant solutions.



Option to set 2nd or 3rd alternative concentration.

dosit® des

Decentralised dosing unit for the preparation and application of aqueous disinfectant solutions.

Our plus

- microprocessor-controlled system
- sensors monitor the whole dosing operation
- dispensing range 0.25 – 5 %, dispensing tolerance + 5 %, adjustable in 0.05 % increments
- particularly user-friendly thanks to clear control panel and simple canister change
- tested according to RKI guidelines (certificate no.: 99189)
- long-term testing by laboratory certified by RKI
- suction lance and canister bracket can be mounted on either the left-hand or right-hand side of the unit
- system separation in accordance with DIN 1988, Part 4 (TRWI) as well as DIN EN 1717
- approved in accordance with KTW Guideline W270
- automatic switch-off in the event of a lack of concentrate or water as well as when concentrate flow is interrupted
- service life monitored in accordance with VAH (German Association for Applied Hygiene) recommendations

Product

dosit® des

Application aids

Lockable canister bracket

Measurements | Technical data

Breadth x depth x height:	51 x 18 x 57.8 cm
Dispensing amount:	7 litres / minute
Voltage:	AC 230 V – 50 Hz
Output:	75 Watt
Water connection:	3/8" external thread



dosing unit D

Central pressure device for the preparation of aqueous disinfectant solutions.

Our plus

- for the preparation and application of aqueous disinfectant solutions
- in-house water pressure is used to release the solution – without having to increase the pressure
- for use with bedpan sinks, spray lances or attached withdrawal points
- 5 dispensing levels: 0.25 – 0.5 – 1 – 2 – 3 %; dispensing tolerance: max. + 5 %
- dosing process controlled and monitored by means of microprocessor
- on-screen display of operating status and malfunctions
- suction lance and canister bracket can be mounted on either the left-hand or right-hand side of the unit
- system separation in accordance with DIN 1988, Part 4 (TRWI) as well as DIN EN 1717
- automatic switch-off in the event of a lack of concentrate or water as well as when concentrate flow is interrupted

Product

Dosing unit D

Measurements | Technical data

Breadth x depth x height:	51 x 21 x 38 cm
Dispensing amount:	8 litres / minute
Voltage:	AC 230 V – 50 Hz
Control voltage:	21 V / 8 V
Output:	96 Watt
Water connection:	1/2" external thread
Solution discharge:	1/2" external thread
Wastewater connection:	1/2" external thread
Intake pressure:	1.5 min. – 6 bar max.

Hygiene panel

Hygiene panels made of steel and stainless steel from schülke: Elegant, clean and hygienic.



hygiene panel

The special highlight: Our small but many-sided hygiene panel. Can be adjusted to a hygiene combination.

Our plus

- sink
- disinfectant dosing system is integrated
- wall dispenser for the touchless application of hand disinfectant, wash and care lotions
- complete solution for small rinsing – and cleaning rooms
- just lean it against a wall, connect and it is ready to use

Product

Hygiene panel

Measurements | Technical data

Material:	stainless steel 1.4301
Measurements (H x W x D):	2,100 x 500 x 525 mm
Cold / Warm water connection:	18 l / min, 2 – 8 bar device side: 3/4" RG on site: shut-off valve, fitting R3/4" with external thread flat sealing
Electricity supply:	230 V / ~ 50 Hz with a Schuko-plug
Waste water:	Sifon DIN70
Water connection:	3/8" external thread

* Testing number: RE SN 9038a

Water filters

Technical innovation – FILT'RAY^{2G} filter.
Outstanding performance

Patented Bub'air Wash™ self-cleaning membrane system, robust high-performance tubular membrane, long-use filter with three times the microfiltration area.



The patented Bub'air Wash™ self-cleaning membrane system ensures that FILT'RAY^{2G} filters remain permeable and retain their outstanding performance characteristics. This ensures that adequate water flow is guaranteed at all times. The microfiltration membrane is an extremely robust, sterile membrane, which preserves the water's sensory qualities.

FILT'RAY^{2G} filters for taps and shower heads (single and multi-spray pattern) are available in sterile or non-sterile versions with an operating life of between 1 and 4 months.

1-month / 2-month filter

- short-term, temporary use
- in patient hygiene
- or when rinsing medical devices

3-month / 4-month filter

- through the use of the long service life, resources are saved on all levels
- economic (purchasing & logistics)
- time savings for staff (technology, logistics, purchasing)
- ecological (less waste, better CO₂ balance in production, etc.)

FILT'RAY^{2G}

End filter for shower heads and taps.

Our plus

- protection from all types of germs
- protection from Legionella & Pseudomonas
- outstanding performance
- harmonises visually with areas of use
- controls retrograde contamination
- KTW certified (K-279048-16-Ko)
- meets TWIN 12 Newsletter requirements
- selected materials in accordance with European Pharmacopoeia and Food and Drug Administration (FDA) requirements
- recyclable components (dispose of as household waste)



Flat outlet



Shower outlet

Product name	Effective against:	Format	Shelf life					
			bacteria	legionella	1 month	2 month	3 month	4 month
FILT'RAY ^{2G} Flat outlet	for the water tap, flat outlet	sterile	x	x	-	-	-	-
		not sterile	x	x	-	-	x	x
Showerhead filter	incl. shower-head	sterile	x	x	-	-	-	-
		not sterile	x	x	-	-	x	x
Shower outlet	for the water tap, shower outlet	sterile	x	x	-	-	-	-
	for fixed mounted showers	not sterile	x	x	-	-	x	x
Inline filter	inline filter	sterile	x	x	-	-	-	-
		not sterile	x	x	-	-	x	x

FILT'RAY^{2G} series filters are class I medical devices and meet Attestation de Conformité Sanitaire (ACS), KTW, WRAS* and NSF* licensing regulations. (* pending)
FILT'RAY is a registered trademark of aqua-tools.

Water filters



The right connection for the right application!

FILT'RAY^{2G} filters contain a protective barrier against waterborne microorganisms (aerobic flora at 22 °C and 36 °C, Pseudomonas aeruginosa, Legionella pneumophila etc.). FILT'RAY^{2G} filters with 31 and 62 day operating lives are designed for cleaning medical devices such as flexible endoscopes or are used for

patient hygiene applications. FILT'RAY^{2G} filters with operating lives of 3 and 4 months are environmentally friendly and are intended to protect patients and domestic users from waterborne microorganisms. They are not suitable for use for producing sterile water (type Q.2.1 – Guidelines on water use in care facilities).

Tap connection options



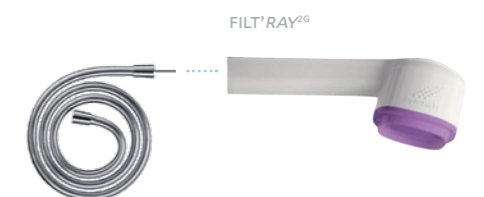
Connection options accessories

- CPC connectors with 3/8" external thread (= a)
- Straight connector from 1/2" to 3/8"
- Outlet adapter
- Handshower exclusive 2 x 1/2" external thread (= a)
- CPC connectors with 1/2" external thread (= a)
- CPC connectors with M22 x 1" internal thread (= i)
- Transition piece M22 x 1" x 1/2" external thread (= a)
- CPC connectors with M24 x 1" external thread (= a)
- Transition piece M24 x 1" x 1/2" external thread (= a)

Shower grab rail connection options



Handheld shower head connection options



Instrument baths



instrument baths

schülke offers compatible baths for every requirement. In all sizes, including white or transparent lid, with instrument-box and drainage tap.

Our plus

- good material compatibility with all schülke instrument disinfectants and cleaning products.

Article name	Sizes in mm inside (l x w x h)	Sizes in mm outside (l x w x h)
 3 l-bath – complete set lid white lid transparent	250 x 150 x 120 250 x 150 x 120 250 x 150 x 120	300 x 185 x 125 300 x 185 x 125 300 x 185 x 125
 5 l-bath – complete set lid white lid transparent	500 x 170 x 120 500 x 170 x 120	555 x 205 x 135 555 x 205 x 135
 10 l-bath – complete set lid white lid transparent	340 x 260 x 170 340 x 260 x 170	400 x 300 x 180 400 x 300 x 180
 30 l-bath – complete set lid white / with drainage tap lid transparent / with drainage tap lid white / without drainage tap lid transparent / without drainage tap	560 x 370 x 225 560 x 370 x 225 560 x 370 x 225 560 x 370 x 225	620 x 405 x 240 620 x 405 x 240 620 x 405 x 240 620 x 405 x 240

If required each component is also available on its own. Don't heat over 55 °C.



Application aids



spray pump

- 1 spray pump for skin and antiseptics, for 500 ml and 1 l, CE
- 2 spray pump for alcohol-based surface disinfectant, for 500 ml and 1 l
- 3 foam spray pump for 500 ml and 1 l



key for canister

for 5 and 10 l-canister
for 20 and 25 l-canister
for 1 l-euro bottle / 5, 10, 20 and 25 l-canister / 200 l-drum



pump

for 500 / 1000 ml (3 ml / stroke)
for 1 l-euro bottle (3 ml / stroke)



tap for canister

for 5 and 10 l-canister
for 20 and 25 l-canister



canister dosage

for 5 and 10 l-canister (20 ml / stroke)
for 20 and 25 l-canister (20 ml / stroke)



dosing device with adapter

for 5, 10, 20 and 25 l-canister



dosing device

for 2 l-bottles
Not suitable for disinfectants for any application and cleaners for medical devices. The dosing device may be used exclusively for the following products:

- antifact® plus
- s&m Pflegeadditiv
- s&m Schaumreiniger A
- antifact® S
- s&m Reinigungsadditiv
- s&m Schaumreiniger S



funnel

funnel



measuring beaker

500 ml
50 ml



wall set

Wall holder.

for 500 ml
for 1000 ml



clip

normal for 50 ml / 100 ml / 150 ml
extendable for 50 ml / 100 ml / 150 ml

All articles are specially made and tested for schülke products. With these original accessories you receive the best results.

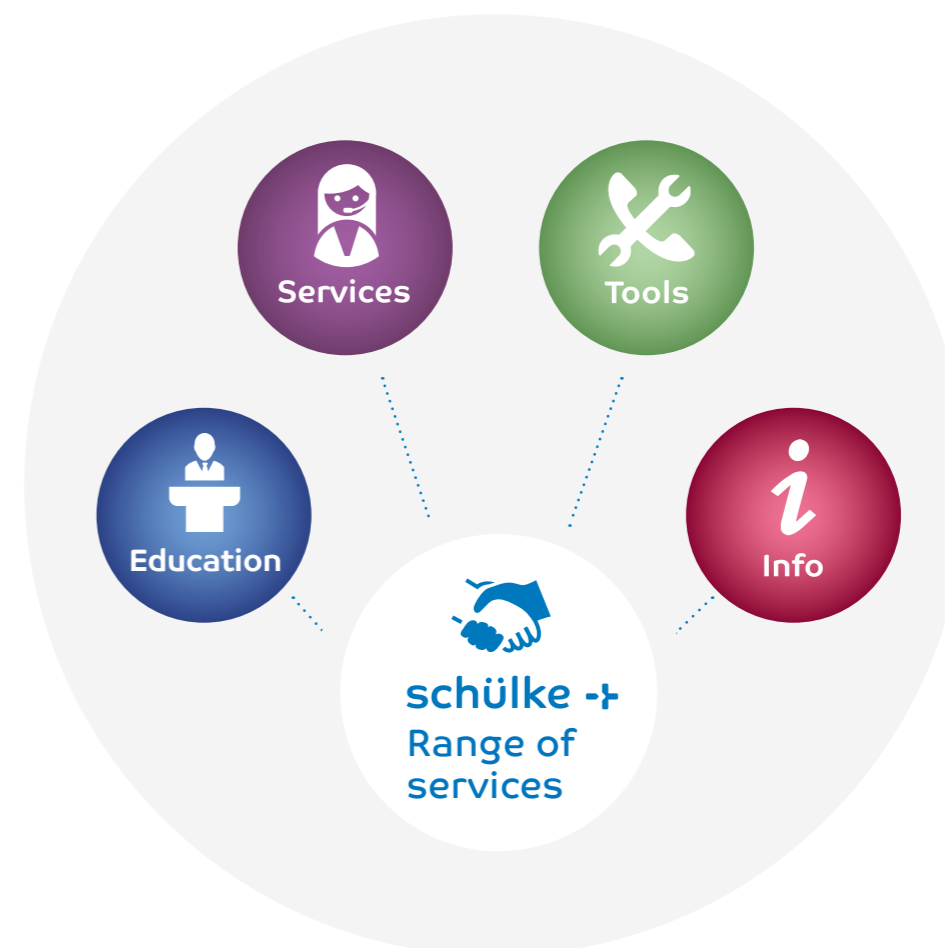


A clean performance all around.

Not only hygiene products and technology – our range of offerings is also continually being expanded with our services and consultation.

With 5 divisions – see figure – our service package offers comprehensive information on all relevant hygiene topics, know-how with regard to the latest scientific findings, and comprehensive support in all areas. Our aim is to meet all of our customers' requirements as effectively as possible.

In doing so, we still count on exchanges with customers, partners and employees – a schülke principle which has always been successfully put into practice.





Support on all levels which leaves nothing to be desired.

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	Services Hygiene technology	Excellent service for your hygiene and disinfection technology	133
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	A germ-free working environment	Detailed trainings by our sales force on all hygiene topics in the health care sector	134
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	Download center	Pictures, brochures, flyers and other materials on our products https://www.schuelke.com/intl-en/product-download-center.php	 136
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			Page
	Knowledge portal	Everything about infection prevention, industrial hygiene and speciality chemicals https://www.schuelke.com/intl-en/knowledge/LP_Knowledge.php	 138
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	Information: Pathogens – The causes of infections	Diseases and their pathogens https://www.schuelke.com/intl-en/unsere-expertise/infektionserreger.php	 138
	Wound management	Information on types of wounds, wound healing and wound treatment https://www.schuelke.com/intl-en/solutions/for-professional-users/infection-prevention/applications/wound-management.php	 139
	Surface hygiene	Information about surface hygiene https://www.schuelke.com/intl-en/solutions/for-professional-users/infection-prevention/applications/surface-hygiene.php	 139
	Sustainability	Information on sustainability https://www.schuelke.com/intl-en/about-us/responsibility/responsibility.php	 140
	Quality management	From the product to sustainability	141
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There are so many, ...

Field service

... that we can't introduce them all individually.

Our increasingly growing sales force offers extensive know-how, is consistently trained and is thus knowledgeable in all aspects of hygiene. Reliability and timeliness are a must – and small areas of operation ensure that our employees have rapid response times.

Hygiene support and training by experienced employees from all areas of hygiene management on site – this is of course also a part of our service. Likewise, we support our customers individually in implementing hygiene concepts or actively take part

in days of action. These services are supplemented by in-house presentations at schülke (Hamburg / Frankfurt) that focus on hygiene-relevant developments and also present innovative products and methods.





Excellent service for your dosing technology.

Hygiene technology services

To ensure our customers' economic performance.

From the start-up and maintenance of your dosing technology to planning and implementation of individual special installations – our customers are sure to benefit from practice-oriented advice and competent technical support!

Comprehensive technical support:

We take time for our customers. By telephone, personally and in emergencies also on the weekends.

Of course our service includes a **qualified customer service** that is always up to date on technology issues.

disinfection technologies in medical facilities and industry, Not to mention technical support of dosing systems in bed washing systems, container wash lines, instrument reprocessing systems.

- Our team attends to, repairs and also maintains devices and systems of other manufacturers on the market.

Our service technicians are specialists for hygiene and disinfection technology.

Their competence in the field of disinfection, electrical engineering, installation technology and control technology goes hand in hand with the best skilled craftsmanship.

- Technical support from planning to training of the operators.
- Our technical support performs start-up, inspection and maintenance of central as well as decentral automated dispensers for you in accordance with DIN 31051 – and of course also for special

Sales Service:

Telephone: + 49 40 521 00-8799
 Fax: + 49 40 521 00-228
 E-mail: Technik@schuelke.com
<https://www.schuelke.com/intl-en/>

Mail:
 Schülke & Mayr GmbH
 Hygiene Technology Sales
 22840 Norderstedt
 Germany



Service – more is better.



Application Department

In keeping with this motto we are committed to supporting our customers with a customer service that offers expertise in all subjects relevant to hygiene.

Our customer service

More than 220 schülke products plus accessories – there might be some question that arises, for example, about selecting the right product, dosage, or even the application.

Our telephone product advice is at your disposal and offers simple advice.

Customer service also means ...

... taking time for customers. And that's what we have for you. Always! By telephone, personally and in emergencies also on the weekends.

Whether for advice, technical solutions, or application. (In addition, we provide you with support in the form of training in the subjects of disinfection, infection prevention and hospital hygiene).

The essentials, in brief:

- Advice:** Telephone advice on product applications, hygiene advice on site
- Technical service:** Inspections, servicing, maintenance of all technical devices/dosing devices
- Regular **current information** from science and jurisprudence
- Databases** / free download
- Customer training**

In addition, you can find **up-to-date information** all about hygiene, the latest scientific findings and applicable jurisdiction under 'Service' at www.schuelke.com. Databases with documents such as expert reports or even safety data sheets are available there for free download.

Good to know:

We have one of the most modern and largest research laboratories in the industry which also works for your needs, for example for analysing water samples in case of hygiene problems.

Application Department:

Telephone: + 49 40 521 00-666
 Fax: + 49 40 521 00-660
 E-mail: info@schuelke.com



<https://www.schuelke.com/intl-en/solutions/for-professional-users/service/application-department.php>



A germ-free working environment



Education and training on hygiene

In the health care sector, good hygiene is mainly down to staff.

Ongoing training for production staff is therefore an essential measure in all areas of health care. Our roving hygiene experts are there to support your staff – either with direct on site usage demonstrations or by providing authoritative training on a wide range of hygiene issues.

Schülke offers high quality products, dispensers and disinfection technology for both hand and surface disinfection. To ensure effective prophylaxis and correct usage, staff should always be up to date with current knowledge on cleaning and disinfection of hands, surfaces and instruments, and on wound management. In addition to providing staff with information and training on an ongoing basis, this also means more advanced courses.

➤ **Example: hand disinfection**

The theory section provides a basic refresher on the 'hows' and 'whys', and explores product mechanisms of action and the dangers of non-compliance. Practical elements include step by step instruction on hand disinfection.

The course also makes use of a UV lamp to highlight areas which have not been adequately disinfected, and a Skin Diagnostic® sebumeter to determine skin characteristics after disinfection and skin care.

➤ **Example: surface disinfection**

Basic theory training, including information on products and their ingredients, an explanation of wiping techniques and the use of accessories. Practical elements include demonstrating and practising individual cleaning and disinfection steps. Here again a UV lamp is used to check disinfected areas. In addition we use mikrocount® dipslides as a microbial indicator technology to demonstrate how to use and evaluate contact plates.



schülke →



Always the right amount with DosageCal.



Dosage Calculator

As much as necessary, as little as possible.

Which chemical you use is important but the success of any hygiene measure is also significantly dependent on the correct dosage.



In each case a successful result depends on using the right concentrations of disinfectants and cleaning agents.

If the concentration is too low the product may not be able to work properly. On the other hand, using too much means unnecessary waste and financial loss.

We would like to enable you to use our products in a way that is effective but also economical and environmentally friendly.

schülke measuring devices give you a convenient way to measure out our concentrates precisely, enabling you to dilute them to produce a ready-to-use disinfectant or cleaning solution.

DosageCal

As well as our dosage table you can now use our easy DosageCal tool online or offline to calculate your ready-to-use solution.

The calculator on our website can be used with a computer, tablet or smartphone. So you can use it any time and anywhere – even without a data connection! All you need to do is go to the site once and save it.

You can also use the calculator to estimate how much of each disinfectant and cleaning product you use per month, per quarter or per year. That way you can always keep an eye on consumption.

The right concentration for your solution and period of use – exactly calculated and highly efficient. This is how it works:

DosageCal
by schülke

Dosage Calculator

Product: antisept® AF (N)

Total working solution (L): 4

Concentration (%): 0.5

Calculate

Concentration Quantity:
3.98 L of water needed
20 ml of concentrate needed

DosageCal
by schülke

Consumption Estimator

Guess your consumption of disinfection and cleaning concentrates!

Product: gisasept® AF forte

Total working solution (L): 30

Working solution needed per period of time: day

Concentration (%): 5

Period of time for estimation: day

Calculate

Concentration Quantity:
1.52 L of concentrate needed

Always the right information at hand.



Download center

Pictures, brochures, flyers and other materials on our products.

All of the information on our products is available for you to download in our own download centre so that you can access it from anywhere and at any time.



<https://www.schuelke.com/intl-en/product-download-center.php>



A little extra help, free of charge.

schülke stickers

Our stickers make your work easier. They are designed for use in individual application areas and show information such as expiry dates at a glance, label different hospital zones, flag compulsory protective measures and more.

Skin | Hands | Wounds



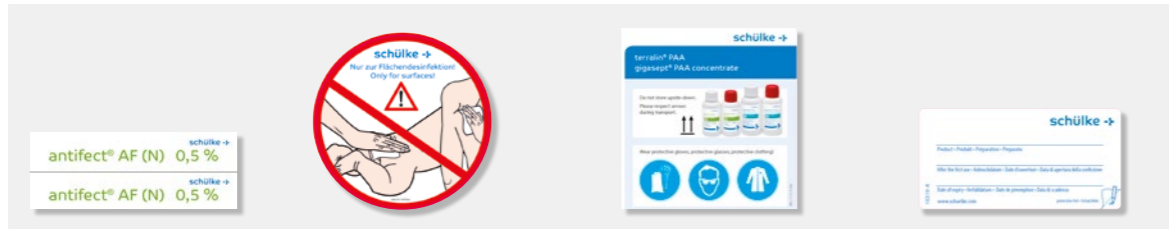
30 seconds
Only PDF

30 seconds (FR)
Only PDF

Mirror sticker
Only PDF

Mirror sticker (FR)
Only PDF

Surface



antifect® AF (N) No. 900430
antifect® extra No. 900633
terralin® protect No. 900210

Only for surfaces!
No. 2585

storage instructions PAA products
Only PDF

perform® range charge No.
16310-A

A little extra help, free of charge.



schülke stickers

Surface

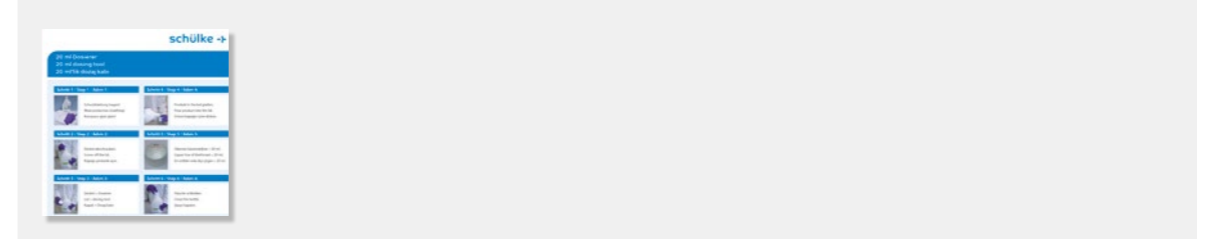


disinfect shoes
only PDF

disinfect feet
Only PDF

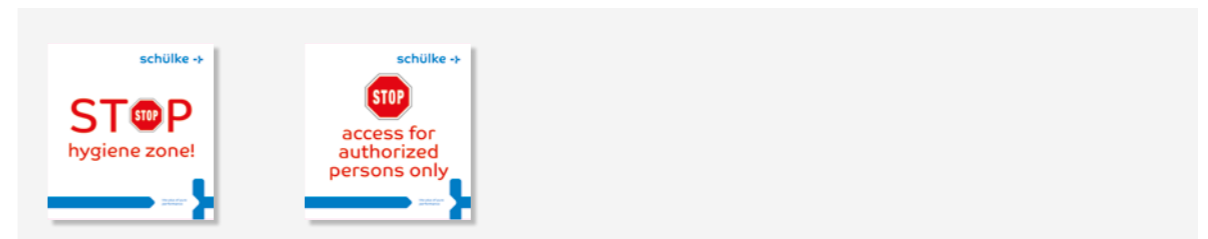
Toilet seat hygiene
Only PDF

Instruments



20 ml dosing tool
No. 2691

Other



hygiene zone
Only PDF

access for authorized
persons only
Only PDF

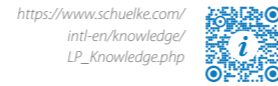
Focus on microorganisms.



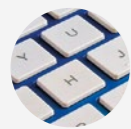
Knowledge portal

Everything about infection prevention, industrial hygiene and speciality chemicals.

As specialists in the area of hygiene and chemical-technical preservation with more than 130 years of experience, we know what counts in the world of microorganisms. In our knowledge portal, you will find everything about the topics of infection prevention, industrial hygiene and speciality chemicals. This is because we would like to pass our knowledge on to you!



Information portals



Detailed product information about our top products
We are the specialists for hygiene and infection prevention, industrial hygiene, chemical-technical preservation and antimicrobial issues. Detailed information on selected products as well as special topics can be found in our information portals.



Information: Pathogens – The causes of infections



Diseases and their pathogens
Infections can be caused by a large number of pathogens. These micro- or macroorganisms trigger health-damaging processes in other organisms and are therefore in medicine, they are assigned the property of pathogenicity.



Focus on microorganisms.

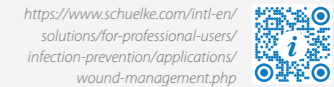


Knowledge portal

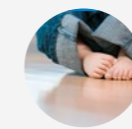
Wound management



Information on types of wounds, wound healing and wound treatment
Proper treatment of a wound can be a very complex, time-consuming and a costly task. This is why there are a lot of training possibilities for the correct treatment of wounds on the market. It is not always easy to ascertain the cause of a wound, to typify it and to define a clear treatment regimen. Nevertheless, wounds also have commonalities that can indicate the right path to treatment. In the following, we want to familiarize you with the subject of wound treatment and provide some information that you may find helpful.



Surface hygiene



Information about surface hygiene
Surface hygiene is one of the most important measures against nosocomial infection risks in medical facilities. It is a part of our surface concept which we – like all other services and activities of our company – have developed under strict economic, ecological and social points of view.



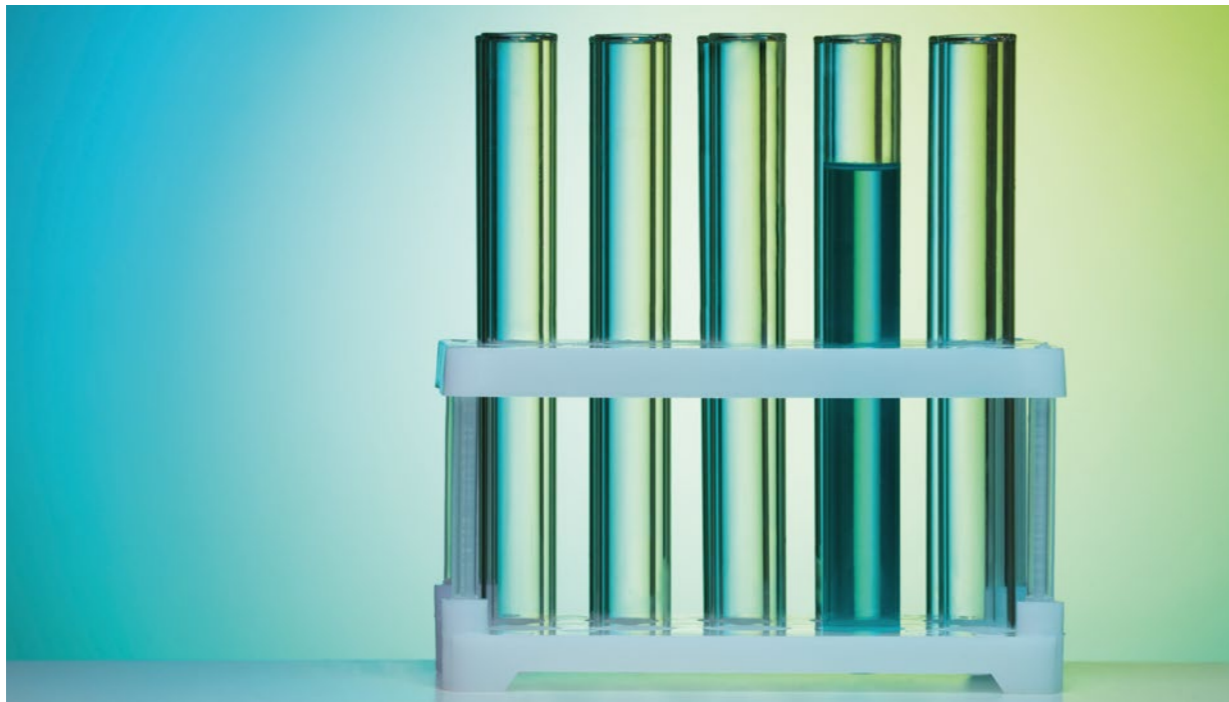
Our contribution to the environment: Sustainability.



Sustainability

For a world that is ecologically, socially and economically intact.

In all activities our thinking and our actions relating to the use of resources are based on the principle of sustainability.



schülke products make a valuable contribution to sustainability.

In the area of hygiene our range actively combats and prevents infection. Avoiding infection and disease protects human health – and human life. Furthermore, each time illness can be prevented, the use of drugs and their release into the environment are reduced. This means the economy and the nation save on the costs of medical treatment, drugs and working days lost to illness.

Our preservative products contribute to sustainable development by preventing contamination in production processes in a wide range of industry sectors and thus

extending the lifetime of many commodities. This protects valuable resources and ensures that goods remain usable for longer. Furthermore, preservatives now make it possible to use water as the basis for products such as paint, so that environmentally dangerous organic solvents are no longer necessary.

Further information about the sustainability and quality of our products is available in our current Sustainability Report. We'll be happy to send you a copy. Or you can download the report from:

www.schuelke.com



Our quality promise.



Quality management

In all areas of our company.

Under the umbrella of Total Quality Management (TQM), schülke has introduced an integrated management system (risk management, crisis management, quality management, personnel management, GMP/ GVP/GDP, occupational safety management, environmental management).

Classically, quality is defined by the product or service. schülke is firmly convinced that quality encompasses more and has therefore taken an expanded approach. All aspects that affect the business process determine our concept of quality.



Norms	
DIN EN ISO 9001	QM systems
DIN EN ISO 14001	Environmental management systems
DIN EN ISO 13485	QA systems for medical devices
EMAS III	EG Nr. 1221/2009

List of regulations and system-accompanying documents

The documents, guidelines and references listed are system-accompanying documents that are embedded in our company's management system.

The aim is to continuously improve products and ensure the following:

- safe and sustainable actions
- economic success
- customer satisfaction
- employee satisfaction
- social acceptance



Laws, regulations and guidelines:	
AMG	German Medicines Act
Directive 93/42 EWG	EU-directive
MPG	Medical devices law
AMWHV	German Medicines Law and the German Good Manufacturing Law
GMP	EU guidelines, WHO guidelines
GVP	Regulation (EC) No 726/2004 and Directive 2001/83/EC
GDP	Good Distribution Practice
BPR	Regulation (EU) 528/2012 (for biocidal products)
MDR	Medical devices regulation

Our info icons

Our info icons will provide you with important information about our products at first glance, for example whether the products have been tested according to Euro standards and are listed in disinfectant lists of recognized associations.



Efficacy tested in accordance with Euro standards



Listed in the disinfectant list of the VAH (Association for Applied Hygiene, registered association)*



Listed in the disinfectant list of the IHO (Industry Association for Hygiene and Surface Protection)*



Shelf-life after opening (information specific to wipes)

* only in Germany

We produce what you purchase: Quality.



Quality management

schülke develops and distributes medicinal products and medical devices.

This calls not only for an ethical responsibility towards users and patients, but also results in legal requirements (AMG, MPG, EU legislation and guidelines). Our products are tested independently for their intended legal and medical purpose and pharmacological effect and approved for the pharmaceutical market.

On our homepage our customers will find a form that allows them to report any deficiencies with regard to the quality, shelflife, reliability, efficacy, safety and functionality of our products. The report form asks for the most pertinent information needed for the classification and appraisal of a potential side effect / complaint.

www.schuelke.com

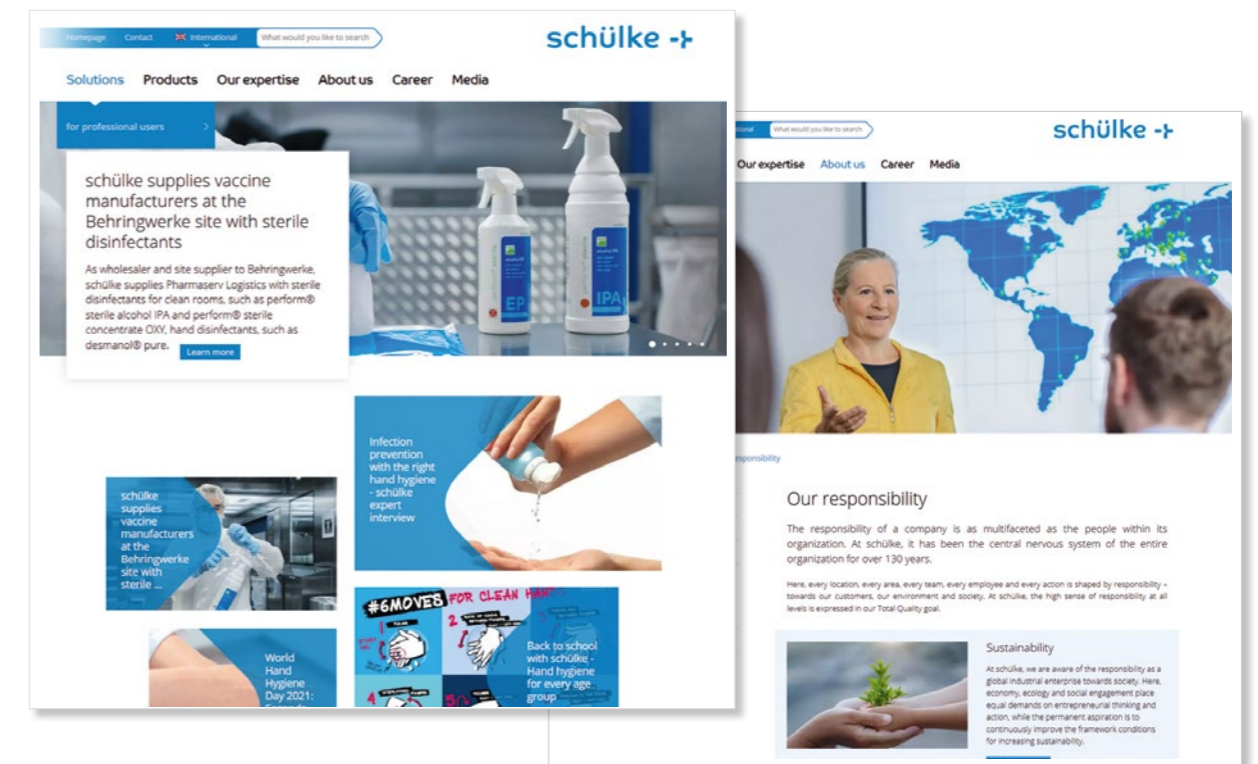


schülke in the World Wide Web.



The internet appearance of the hygiene experts.

Highest quality even in World Wide Web.



User-friendly, clearly understandable and easy to navigate – just as Internet users want a website to be. Especially when it comes to complex issues such as hygiene management, preservation.

He who seeks finds. With schülke's website, the correct page with the desired information can be found with just a few clicks. Whether detailed information about our products, the areas of application, and processes, or the extensive knowledge from over 130 years of research and development. As a hygiene specialist, we make our extensive know-how on prevention, conservation and microbiological quality management available on our website.

Learn more about the company schülke and the values and beliefs that have shaped us since its foundation in 1889. Over 1,200 employees across the world work every day to complete our joint mission: "We protect lives worldwide".

If you too want to become part of the schülke family, you will find all current vacancies on our website.

Visit us also on our schülke YouTube channel or on Facebook.

Drop by right now
www.schuelke.com



A film says more than a 1000 words.



Image film

A company history can be entertaining!

Approximatly five minutes of schülke history with the most interesting scenes from research and development.

Starting with the founding of Schülke & Mayr GmbH in 1889 by Rudolf Schülke and Julius Mayr, the successful fight against the cholera epidemic in 1892 with Lysol® untill nowadays.

By now schülke is an intermational company, which advices customers world wide on the topic of microbial qualtiy management and with highly qualified products and innovative processes helps to prevent and stop diseases to sprend.



But, see for yourself!
www.youtube.com/user/schuelkeChannel



www.youtube.com/user/schuelkeChannel

schülke is on the move, online and offline.



Social Media

YouTube and facebook.

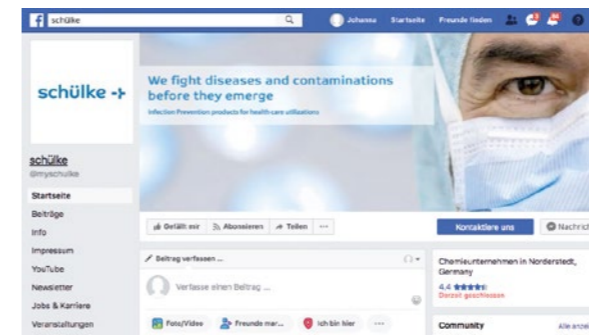


This will bring you to schülke on schülke YouTube channel. Welcome!
<https://www.youtube.com/user/schuelkeChannel/videos>



As well as our film, **YouTube** offers **training videos**. A film about proper hygiene, which includes practical procedures for surface and hand hygiene. And for anyone who is interested in highly effective, skin-friendly disinfection we can recommend the **videos on octenidine**. They show the use and mode of operation of octenidine, an active agent developed by schülke.

The schülke YouTube channel also includes further information such as **films on product use** and the **prevention of infection**. Take a look, it's worth it.



This will bring you to schülke on Facebook. Welcome!
www.facebook.com/myschulke



Meet us on **Facebook** – become a fan! Here, we offer vivid conversations between professionals and interested laypeople. Whatever is happening at schülke and in the world of hygiene is often taking place on our Facebook page too. Our posts also include trade fair dates and events.

Visit the medical Facebook page. We look forward to seeing you!

Index

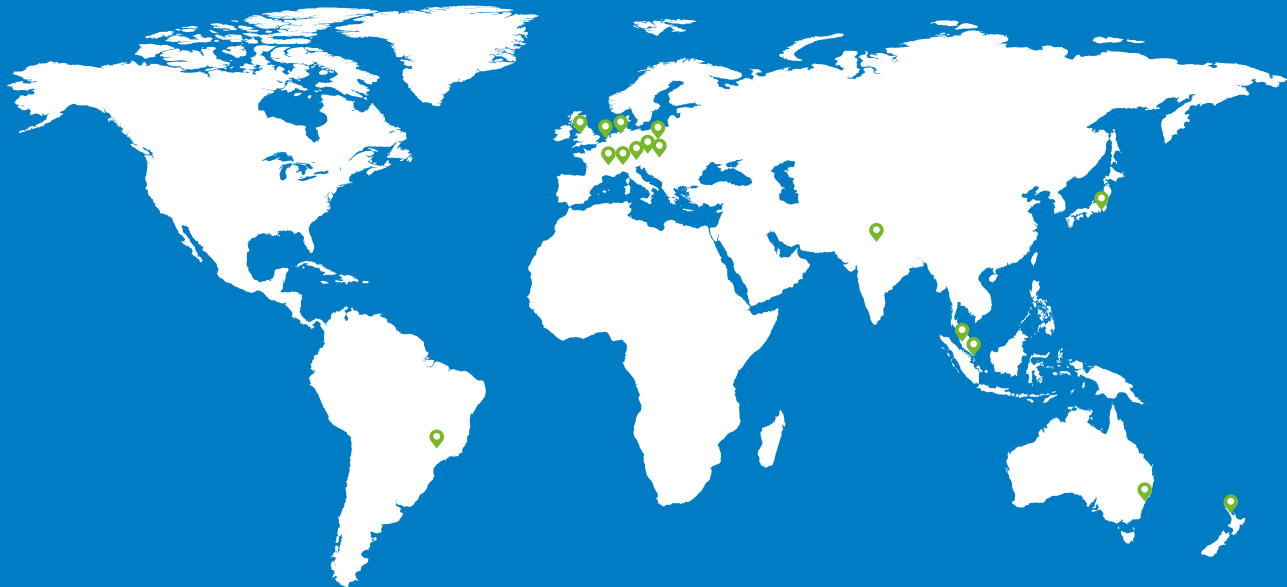
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antifect® AF (N)	Carton with 5 x 2 l-bottles 5 l-canister	13
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desmanol® pure gel	Carton with 30 x 100 ml-bottles Carton with 20 x 500 ml-bottles Carton with 10 x 1 l-bottles Carton with 10 x 1 l-euro bottles Carton with 20 x 500 ml-hyclick® dispenser bottles	20
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gigasept® PAA concentrate	Carton with 12 x (2 x 100 ml)-double containers	98
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mikrozid® universal wipes premium maxi	Carton with 6 x 80 wipes premium maxi	69
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octenisan® wash mitts	Carton with 24 packs 10 wash mitts per pouch	44
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octenisept®	Carton with 250 x 40 g-pouches Carton with 60 x 40 g-pouches Carton with 4 x 900 g-cans	38
perform®	Carton with 15 pieces	57
perform® spray bottle holder	Carton with 10 x 500 ml-bottles	120
perform® sterile alcohol EP	Carton with 10 x 500 ml-bottles	80
perform® sterile alcohol IPA	Carton with 10 x 500 ml-bottles Carton with 6 x 1 l-bottles	80
perform® sterile cleaner ND	Carton with 10 x 500 ml-bottles	82

Product	Packaging size	Page
perform® sterile concentrate OXY	Carton with 50 x 40 g-pouches	81
perform® sterile concentrate PAA	Carton with 20 x 40 ml-bottles	81
perform® sterile concentrate Q2	Carton with 20 x 60 ml-bottles	82
perform® sterile dry wipes	Carton with 10 x 10 wipes softpack	83
perform® sterile mix dry wipes	Carton with 5 x 100 wipes	83
perform® sterile PAA premium dry wipes	Carton with 10 x 500 ml-bottles Carton with 3 x 100 wipes	81
perform® sterile wipes IPA	Carton with 20 x 20 wipes softpack Carton with 20 x 500 ml-bottles Carton with 10 x 1 l-bottles 5 l-canister	83
primasept® wash	Carton with 20 x 200 ml-bottles 5 l-canister	20
pump des touch		121
pursept® A Xpress	Carton with 10 x 1 l-bottles 5 l-canister	66
s&m care additive	Carton with 5 x 2 l-bottles	72
s&m cleaning additive	Carton with 5 x 2 l-bottles 5 l-canister	72
s&m wash lotion	Carton with 20 x 500 ml-dispenser bottles Carton with 10 x 1 l-dispenser bottles Carton with 10 x 1 l-euro bottles Carton with 10 x 1 l-hyclick® Carton with 20 x 500 ml-bottles hyclick®	26
schülke disinfection column	Base measurements: 450 mm x 160 mm Height: approx. 1395 mm	118
schülke optics	Carton with 20 x 500 ml-dispenser bottles Carton with 20 x 500 ml-dispenser bottles	23
schülke optics lotion	Wet wipe dispensers schülke wipes 40 dispenser bucket (1 x dispenser bucket) schülke wipes 40 dispenser bucket (5 x dispenser buckets) schülke wipes 100/111 dispenser bucket (1 x dispenser bucket) schülke wipes 100/111 dispenser bucket (5 x dispenser buckets) schülke wipes 70 dispenser box (1 x dispenser box) schülke wipes 70 dispenser box (5 x dispenser boxes) schülke wipes 100/111 dispenser box (1 x dispenser box) schülke wipes 100/111 dispenser box (5 x dispenser boxes) Wipes schülke wipes 40 (Carton with 10 x 40 wipes) schülke wipes 70 (Carton with 6 x 70 wipes) schülke wipes 100 (Carton with 6 x 100 wipes) schülke wipes 111 (Carton with 6 x 111 wipes)	62
schülke wipes safe & easy	schülke wipes safe & easy bag-in-box Carton with 6 x bags with 111 wipes Carton with 10 dispenser boxes schülke wipes safe & easy bagless Carton with 6 x buckets with 130 wipes	62
schülke wound pad	Carton with 4 x 3 wound pad (white, blue, red) Carton with 10 x 1 wound pad (blue)	39
sensiva® dry skin balm	Carton with 30 x 150 ml-small-bottles Carton with 20 x 500 ml-dispenser bottles	30
sensiva® protective cream	Carton with 30 x 100 ml-tubes	30
sensiva® protective emulsion	Carton with 30 x 150 ml-small-bottles Carton with 20 x 500 ml-dispenser bottles	30
sensiva® regeneration cream	Carton with 30 x 50 ml-tubes Carton with 20 x 500 ml-dispenser bottles Carton with 10 x 1 l-dispenser bottles Carton with 10 x 1 l-euro bottles Carton with 10 x 1 l-hyclick® Carton with 20 x 500 ml-bottles hyclick® 5 l-canister	30
sensiva® wash lotion	Carton with 10 x 1 l-hyclick® dispenser bottles Carton with 10 x 1 l-hyclick® dispenser bottles	26

Product	Packaging size	Page
sm 2 500 sm 2 universal	sm 2 500 sm 2 universal	117
terralin® liquid	Carton 10 x 1 l-bottles 10 l-canister	66
terralin® PAA	Carton with 12 x (2 x 80 ml)-double container Carton with 500 x 20 ml-pouches Carton with 5 x 2 l-bottles	57
terralin® protect	5 l-canister 20 l-canister 200 l-drum 500 l-container	56
thermosept® alka clean forte	5 kg-canister	103
thermosept® BSK	5 kg-canister 20 l-canister 200 kg-drum	105
thermosept® ED	5 l-canister 20 l-canister 200 l-drum	108
thermosept® EndoCleaner	5 l-canister 6-Pin 5 l-canister	108
thermosept® ER	5 l-canister 20 l-canister	108
thermosept® NDR	20 l-canister 200 kg-drum	105
thermosept® NKP	6 kg-canister	104
thermosept® NKZ	5 kg-canister thermosept® PAA base Carton with 2 x 5 l-canisters (flat) 200 l-drum	104
thermosept® PAA	thermosept® PAA base Adapter 4 l-canister thermosept® PAA additive Carton with 2 x 5 l-canisters (flat) 200 l-drum	109
thermosept® RKF	5 kg-canister	104
thermosept® SKS	5 kg-canister (special-canister) 5 kg-canister	109
thermosept® X-tra	5 l-canister 10 l-canister 20 l-canister 200 l-drum 500 l-container	103
Touchless dispenser PA1	touchless PA1 KHK 500 ml (with plastic pump) KHK 500 ml (with stainless steel pump) KHK 500 ml (counter) KHK 1000 ml (with plastic pump) KHK 1000 ml (with stainless steel pump) KHK 1000 ml (counter) KHL 500 ml (with plastic pump) KHL 500 ml (with stainless steel pump) KHL 500 ml (counter) KHL 1000 ml (with plastic pump) KHL 1000 ml (with stainless steel pump) KHL 1000 ml (counter) KHN touchless 500 ml (with stainless steel pump) KHN touchless 1000 ml (with stainless steel pump)	118
Type KHK Type KHL Type KHN touchless		116
Water filtration		124



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