Clinical product brochure.

Quality. Safety. schülke.
Those who are weak need the strongest protection.
Our big plus – hygiene expertise.

We are a chemical & pharmaceutical company. Our products and services protect people and materials against infections and contamination. In so doing, we have learnt that the prevention of infections is considerably easier than fighting them.

Our world is changing. Our planet is getting smaller, borders are breaking down. People are travelling around freely from country to country and microorganisms are turning up ever more frequently as invisible passengers in a globalised world. The risks associated with this are often underestimated. Counter-measures deal more with treating the symptoms rather than fighting the causes.

Subsequently there are gaps appearing in the hygiene chain. We want to close these gaps with our integrated approach. We offer effective products, competent advice and a broad range of services.

We believe in the power of partnerships when searching for the best solution. In collaboration with industry leaders and experts we strive to provide excellence and innovation.

We aim to offer tested solutions as soon as new hygiene-related problems emerge. As hygiene experts we must always be ahead of our time. For example our new wound and mucous membrane antiseptic, octenilin®, is painless when used and colourless to reduce the potential of allergies.
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Into the health market.

The clinical environment is constantly changing. Stay on top – with schülke.

Poor hygiene isn’t always visible, however the effects and spread of life-threatening infections are often very noticeable. For this reason, preventative and efficient hygiene management is necessary for successful and economical clinic operation.

Improve processes. Reduce costs.
The expectations on the medical market are always moving but emphasis on achieving the highest results with a more efficient use of resources is more true today than ever before. This challenge calls for effective and flexible solutions.

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

In the case of quality assurance, the prevention, recognition and combating of infections remains a decisive factor.

2006 | Surface disinfection and cleaning in one step – the recently launched terralin® product makes it possible

2006 | antiMRSAset – the system solution for the treatment of MRSA for protection from infections

2008 | schülke, your partner in preservatives and hygiene for the 21st century...
Effective solutions for hands and skin.

The right protection for your most valuable instruments.

In clinical routine, no instrument is as important with respect to hygiene as the human hand. Those who are in constant contact with equipment and patients require optimal, antiseptic protection with simultaneous comprehensive care for the skin.

The hand is the most versatile tool in the world and the most important for human beings. Despite all modern technology, the human hand is in constant use in hospital routine and in permanent contact with equipment and patients.

“Can there be a greater contradiction than contracting an infection in a hospital?” Johann Peter Frank, a founding father of public hygiene.

In 80% of cases, nosocomial infections are transmitted via the hands. Hand hygiene is therefore the most important preventative measure. Hand hygiene routines demand products that are specially formulated to care for and protect stressed skin whilst conserving natural moisture.

Antiseptics are the most complex and probably most important area of hygiene. With formulations containing Octenidine schülke offers proven, tolerable and widely effective antiseptics for skin, mucous membranes and wounds as well as for antibacterial body and oral hygiene. Octenidine based products provide optimal protection before, during and after operations and, with their preventative usage, prevent the infection of deeper tissue layers, and thus a potential sepsis for patients.
**Hands and skin**

**Hand disinfection**

**desderman® pure | desderman® N**

Advanced rapid acting alcohol based hand rub, formulated for hygienic and surgical hand disinfection

- **Our Plus**
  - very good efficacy and increased skin compatibility
  - effective against bacteria (Tb, MRSA, VRE), fungi and viruses (incl. HBV, HCV, HIV, polio, herpes simplex, adeno, rota, noro and vaccinia)
  - suitable for frequent use
  - desderman® pure: colour & perfume free

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>150 ml bottle</th>
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<tbody>
<tr>
<td>500 ml bottle</td>
<td></td>
</tr>
<tr>
<td>1 l bottle</td>
<td></td>
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<tr>
<td>5 l canister</td>
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</tbody>
</table>

**desderman® gel**

Rapid acting alcohol based hand gel, formulated for surgical and hygienic hand disinfection

- **Our Plus**
  - fast drying and leaves no sticky residue, making gloves easy to don
  - suitable for frequent use
  - effective against bacteria (Tb, MRSA, VRE), fungi and viruses (incl. HBV, HCV, HIV, polio, herpes simplex, adeno, rota and vaccinia)

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>150 ml bottle</th>
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<tbody>
<tr>
<td>500 ml bottle</td>
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<td>1 l bottle</td>
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</tbody>
</table>

**desmanol®**

Alcohol based hand rub with special lipid replacement system, formulated for surgical and hygienic hand disinfection

- **Our Plus**
  - protects and cares for hands with special lipid replacement system and moisture retaining agent
  - pronounced residual activity
  - broad microbial action, deactivates lipophilic viruses (including HBV, HCV, HIV, vaccinia) and rota

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>500 ml bottle</th>
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</thead>
<tbody>
<tr>
<td>1 l bottle</td>
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</tr>
<tr>
<td>5 l canister</td>
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</table>

**primasept® med**

Wash preparation for hygienic hand disinfection and disinfectant skin cleansing

- **Our Plus**
  - hygienic hand disinfection and cleansing in a single operation
  - excellent cleansing effect, even against stubborn soil
  - as a result of user-friendly viscosity, no dripping from the hands
  - suitable for glove disinfection and for washing patients with MRSA infection
  - effective against bacteria, fungi and viruses (incl. HBV, HIV, papova)

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>500 ml bottle</th>
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<tbody>
<tr>
<td>1 l bottle</td>
<td></td>
</tr>
<tr>
<td>5 l canister</td>
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</tbody>
</table>

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

For further information about hand disinfection please request our brochure.

Hand washing

esemtan® wash lotion
Gentle hand wash lotion designed for washing prior to surgical and hygienic hand disinfection, for all skin types

- Our Plus
  - balanced emollient ingredients protect the skin against drying out
  - pleasant colour and fragrance for a cosmetic feel
  - preserves the acidic protective layer of the skin

Pack Size
- 500 ml bottle
- 1 l bottle
- 5 l canister

sensiva® wash lotion
pH neutral, soap free, hand and body wash lotion for stressed and sensitive skin

- Our Plus
  - the ideal product for sensitive skin
  - use at the start of the day or when hands are visibly soiled
  - colour & perfume free
  - can be used frequently without damaging the skin

Pack Size
- 150 ml bottle
- 500 ml bottle
- 1 l bottle
- 5 l canister
Hands and skin

Antisepsis

**octenisept®**

Painless wound and mucous membrane antiseptic

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

- **Pack Size**
  - 50 ml bottle
  - 250 ml bottle
  - 500 ml bottle
  - 1 l bottle

---

**octenilin® wound irrigation solution**

Simple, gentle and thorough wound rinsing solution with antimicrobial preservative

- **Our Plus**
  - contains Octenidine as an antimicrobial preservative, capable of reducing pathogens
  - well tolerated, painless and rapid wound cleansing
  - low surface tension enables rinsing of hard to reach areas, such as fissures and wound pockets
  - can be heated to body temperature
  - colour and perfume free, odour absorbant

- **Pack Size**
  - 350 ml bottle

---

**octenilin® wound gel**

Hydrogel containing antimicrobial preservative to create a clean, moist environment for wound healing

- **Our Plus**
  - contains Octenidine as an antimicrobial preservative, capable of inactivating pathogens
  - well tolerated, painless wound management
  - can be left on wound for up to 5 days to allow time for healing
  - can be heated to body temperature
  - colour and perfume free, odour absorbant

- **Pack Size**
  - 20 ml bellow

---

**octenidol®**

Antibacterial mouthwash

- **Our Plus**
  - effective protection from parodontitis and gingivitis
  - also for decontamination with MRSA
  - antibacterial
  - does not discolour teeth
  - chlorhexidine-free
  - alcohol-free

- **Pack Size**
  - 250 ml bottle
# Hands and skin

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## octenisan®

**Hypoallergenic antimicrobial hair and body wash containing octenidine**

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• excellent skin and mucous membrane compatibility</td>
<td>150 ml bottle</td>
</tr>
<tr>
<td>• broad antimicrobial efficacy</td>
<td>500 ml bottle</td>
</tr>
<tr>
<td>• added emollients for skin protection</td>
<td></td>
</tr>
<tr>
<td>• suitable for all skin types</td>
<td></td>
</tr>
<tr>
<td>• soap free – mild surfactants</td>
<td></td>
</tr>
<tr>
<td>• pH skin neutral, colour and perfume free</td>
<td></td>
</tr>
<tr>
<td>• suitable for all age groups including neonates</td>
<td></td>
</tr>
</tbody>
</table>

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## octeniderm®

**skin antiseptic – octeniderm®s 24 hour remanent time significantly reduce this risk by means of prevention prior to fitting catheters as well as providing care for the insertion site of central venous catheters (CVC).**

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 24 hour remanent action</td>
<td>250 ml spray bottle</td>
</tr>
<tr>
<td>• rapid onset of action (15 sec. before injections)</td>
<td>1 l bottle</td>
</tr>
<tr>
<td>• broad antiseptic spectrum of activity: bactericidal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>fungicidal</td>
</tr>
<tr>
<td></td>
<td>virus inactivating</td>
</tr>
<tr>
<td></td>
<td>(lipophilic viruses: HBV, HCV, HIV, Herpes Simplex)</td>
</tr>
</tbody>
</table>

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## kodan® tincture forte

**Skin antiseptic, alcoholic**

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• wide antiseptic effect spectrum</td>
<td>40 swab á 6 ml</td>
</tr>
<tr>
<td>bactericide</td>
<td>fungicide</td>
</tr>
<tr>
<td>• fast effect (15 sec. before injections)</td>
<td>250 ml bottle with spray pump</td>
</tr>
<tr>
<td>• very good skin tolerance</td>
<td>1 l bottle</td>
</tr>
</tbody>
</table>

* acc. to RKI-recommendation of the Federal Health Gazette 01/2004

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## kodan® wipes

**Skin antiseptic, alcoholic**

<table>
<thead>
<tr>
<th>Our plus</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• wide antiseptic effect spectrum</td>
<td>Dispenser with 90 wipes</td>
</tr>
<tr>
<td>bactericide</td>
<td>fungicide</td>
</tr>
<tr>
<td>• very good skin tolerance</td>
<td>6 refill pouches á 90 wipes</td>
</tr>
<tr>
<td>• authorised for skin and hand disinfection</td>
<td>20 refill pouches á 90 wipes</td>
</tr>
</tbody>
</table>

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

**antIMRSAset**

MRSA treatment set to prevent infection

- **Our Plus**
  - used in the Euregio-MRSA-Study
  - includes wash lotion – octenisan®, mouth wash – octenidol®, hand disinfection – deserman®, pure, ready-to-use, impregnated disinfection wipes for frequently used objects – mikrozid® AF
  - further includes 10 tooth brushes and 5 combs to be used during the 5-day treatment period
  - clear information supplied by brochure, product application sheet and sticker

Mandatory copy for registered pharmaceuticals as per §4 HWG

**octenisept®**
- **Composition:** 100 g solution contain: Octenidine dicydrochloride 0.1 g, 2-Phenoxyethanol (Ph.Eur.) 2.0 g. Other ingredients: (3-amidopropyl coccoato) dimethylammonium acetate, sodium D-gluconate, glycerol 85%, sodium chloride, sodium hydroxide, purified water.
- **Therapeutical indications:** For repeated, short-term antiseptic treatment of mucous membranes and adjacent skin prior to diagnostic and surgical procedures in the ano-genital region of vagina, vulva, glans penis, also prior to bladder catheterisation and in the oral cavity. For short-term supportive treatment of interdigital mycosis and adjuvant antiseptic wound treatment.
- **Contraindications:** octenisept® may not be used in cases of hypersensitivity to either of the active substances or to any of the other components of the preparation. octenisept® should not be used for rinses in the abdominal cavity (e.g. intra-operatively) or the bladder, nor on the tympanic membrane.
- **Special warnings and special precautions for use:** Do not swallow octenisept® and do not allow large amounts of octenisept® to pass into the circulation, e.g. as a result of accidental injection. When irrigating wounds, ensure that the preparation is not introduced under pressure or injected into the tissue. When irrigating wound cavities, ensure that there is always a drainage point (e.g. drain, tab).
- **Undesirable effects:** In rare cases transient signs of local intolerance such as a slight burning sensation, redness or itching may occur at the application site. Rinsing of the oral cavity may cause a transitory bitter sensation. If you observe side effects other than those listed here, please contact your physician or chemist.

**octeniderm®**
- **Composition:** 100 g solution contain: Octenidine dicydrochloride 0.1 g, 1-Propanol (Ph.Eur.) 30.0 g, 2-Propanol (Ph.Eur.) 45.0 g. Other ingredients: purified water.
- **Therapeutical indications:** Skin disinfection prior to surgical procedures, catheterisations of blood vessels, sampling of blood and CSF, injections, punctures, excisions, cannulisations, biopsies, etc., once-only wound and suture care. If no special hand disinfectant is available, octeniderm® can also be used for hygienic and surgical hand disinfection.
- **Contraindications:** octeniderm® should not be used in case of hypersensitivity to one of the ingredients. **Special warnings and special precautions for use:** Direct contact of octeniderm® with X-ray equipment must be avoided. Flash point according to DIN 51 755: 1-propanol 45 °C, 2-propanol 23.5 °C. Flammable! Do not spray into open flames. After spillage of the alcoholic disinfectant, action must be taken immediately to prevent dangers of fire and explosion. Suitable measures are e.g. taking up the spilled liquid and dilution with water, ventilation of the room and the removal of sources of ignition.
- **Undesirable effects:** Particularly in cases of frequent use, skin irritation such as redness, burning and itching may occasionally occur. Allergic reactions (e.g. contact eczema) are also possible in rare cases. If you observe side effects other than those listed here, please contact your physician or chemist.

**kodan® tincture forte colourless**
- **Composition:** 100 g solution contain: 2-Propanol (Ph. Eur.) 45.0 g, 1-Propanol (Ph. Eur.) 10.0 g, biphenyl-2-ol 0.20 g. Other ingredients: Hydrogen peroxide solution 30 % (Ph. Eur.), Purified water.
- **Therapeutical indications:** kodan® tincture forte colourless is used as a disinfectant for the skin before operations, catheterisations, withdrawal of blood and liquor, injections, punctures, excisions, cannulisations, biopsies etc. for wound and suture treatment, for the hygienic disinfection of the hands, as well as for additional general hygienic measures to prevent fungal skin infections.
- **Contraindications:** kodan® tincture forte colourless may not be used in cases of hypersensitivity to either of the active substances or to any of the other components of the preparation.
- **Special warnings and special precautions for use:** kodan® tincture forte colourless is for external use only. Do not expose to open flame or switched on electrical heat sources. Let kodan® tincture forte colourless dry before applying dressings. Do not put thermocautery on skin before the areas disinfected with kodan® tincture forte colourless have dried.
- **Undesirable effects:** Especially with frequent use, skin irritations such as reddening, stinging and dryness can occur. In rare cases, contact allergic reactions are possible. If you observe side effects other than those listed here, please contact your physician or chemist.

**Pharmaceutical company:** Schülke & Mayr GmbH, 22840 Norderstedt, Germany.

**Medical product:** Keep out of reach and sight of children. For risks and side effects please read the package insert and ask your doctor or pharmacist.

**Ooctenidine**

**The success story of an innovative agent:**

The innovative agent octenidine was developed by schülke at our research facility. In the search for an antiseptic agent for oral mucosa octenidine was synthesised in the mid-1980s and its success is still continuing!

**Benefits of the active ingredient:**

- Broad antiseptic spectrum
- Very good skin, mucous membrane and tissue tolerability
- No systemic side effects
- Suitable for infants, premature babies and expectant mothers
- 24 hour residual action
- No formation of resistance

**For further information please request our antisepsis brochure.**
Hands and skin

Skin care

**esemtan® hand emulsion**

Oil-in-water emulsion for protection and care of at-risk hands

- **Our Plus**
  - rapidly absorbed
  - contains allantoin and bisabolol
  - does not affect disinfectant action e.g. in hand disinfection
  - pleasant fragrance thanks to discrete perfuming

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<td>150 ml bottle</td>
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<td>500 ml bottle</td>
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<td>1 l bottle</td>
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**esemtan® body lotion**

Water-in-oil emulsion for care and regeneration of dry, stressed skin

- **Our Plus**
  - moisturising water-in-oil emulsion
  - regenerates dry skin
  - containing an active component that is nature-identical to that of lime-tree blossom

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<tr>
<td>500 ml bottle</td>
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</table>

**esemtan® skin balm**

Oil-in-water emulsion for general daily skin and hand care

- **Our Plus**
  - the fat and moisture requirements of the skin are regulated and stabilized
  - absorbed deeply into the skin
  - also suitable for whole-body care

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<td>500 ml bottle</td>
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<td>1 l bottle</td>
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</table>

**esemtan® active gel**

For circulation-enhancing, invigorating and skin-gentle embrocations

- **Our Plus**
  - refreshing and invigorating through its essential oils
  - for curative massage in muscle tenseness, heavy legs, etc.
  - targeted and economically applicable

<table>
<thead>
<tr>
<th>Pack Size</th>
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<tbody>
<tr>
<td>150 ml tube</td>
<td></td>
</tr>
<tr>
<td>1 l bottle</td>
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</table>
**sensiva® protective emulsion**

Gentle, rapidly absorbed moisturising cream, ideal for use at the end of each clinical session in order to maintain the integrity of the skin.

- **Our Plus**
  - rapid absorption, leaves a smooth non-greasy feel to your hands
  - colour & perfume free
  - use at the end of each session to protect and maintain your skin condition

<table>
<thead>
<tr>
<th>Pack Size</th>
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<tbody>
<tr>
<td>150 ml bottle</td>
<td></td>
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<tr>
<td>500 ml bottle</td>
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</table>

**sensiva® care emulsion**

Colour- and perfume-free care emulsion

- **Our Plus**
  - water-in-oil based
  - for rich care of damaged and dry skin
  - does not reduce the action of hand disinfectants
  - also suitable for whole-body care
  - low allergy potential

<table>
<thead>
<tr>
<th>Pack Size</th>
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</thead>
<tbody>
<tr>
<td>150 ml bottle</td>
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<tr>
<td>500 ml bottle</td>
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</tbody>
</table>

**sensiva® regeneration cream**

Colour- and perfume-free regeneration cream

- **Our Plus**
  - easily distributed ambiphilic cream
  - protects from irritated states
  - promotes wound healing
  - can also be applied to weeping skin
  - low allergy potential

<table>
<thead>
<tr>
<th>Pack Size</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>50 ml tube</td>
<td></td>
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</tbody>
</table>

For further information please request our skin care brochure.
Clean surfaces. Clean work.

Comprehensive protection for a healthy environment.

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

**Pure protection for every surface.**
The disinfection of critical areas represents a daily and decisive challenge in the routine of medical facilities. According to new medical findings, the thorough disinfection of surfaces within facilities is a major factor in the containment of so-called nosocomial infections.

Our 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 is focused upon creating a safe and user-friendly product. These properties have made schülke surface products trusted partners within various areas of usage in daily clinical practice.
Surfaces

Surface cleaning and disinfection

**terralin® protect**

Powerful large area cleaner and disinfectant, ideal for use on all surfaces (incl. metal, plastic, rubber materials, perspex)

- **Our Plus**
  - free of aldehydes and thus especially user-friendly
  - smells nicely fresh and discreet
  - wide microbiological effect spectrum against bacteria (incl. Tb, MRSA), fungi and viruses ("limited antiviral agent*" incl. HBV and HCV, rota, adeno and noro)
  - delivers excellent optical characteristics
  - especially convenient for odour sensitive areas and sensitive materials

<table>
<thead>
<tr>
<th>Pack size</th>
<th>20 ml pouch (500 x)</th>
<th>2 l bottle</th>
<th>5 l canister</th>
<th>30 l canister</th>
<th>200 l barrel</th>
<th>500 l container</th>
</tr>
</thead>
</table>

* acc. to RKI recommendation, Federal Health Gazette 01/2004

**perform®**

Extensive microbiological effect spectrum against bacteria (incl. Tb), fungi, viruses as well as spores

- **Our Plus**
  - especially ecological thanks to an active agent system based on oxygen
  - easily dosing thanks to one-dose portion pouches already tested to European Standards

<table>
<thead>
<tr>
<th>Pack size</th>
<th>250 x 40 g pouch/carton</th>
<th>60 x 40 g pouch/carton</th>
<th>900 g can</th>
</tr>
</thead>
</table>

**terralin® PAA**

High level surface disinfection for fighting outbreaks

- **Our Plus**
  - aldehyde free, active oxygen based formulation
  - broad antimicrobial spectrum: effective against bacteria, fungi, viruses and spores
  - very short contact time
  - complies with European Norms

NEW in 2009

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

For further information please request our surface brochure.
## Surface

### Quick surface cleaning and disinfection

#### terralin® liquid

Alcohol based spray for fast effective cleaning and disinfection of surfaces

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• ready-to-use</td>
<td></td>
</tr>
<tr>
<td>• dries rapidly, leaving no streaks</td>
<td></td>
</tr>
<tr>
<td>• aldehyde free</td>
<td></td>
</tr>
<tr>
<td>• effective against bacteria (incl. Tb), fungi and viruses (incl. HBV, HCV, adeno, rota, papova, polio)</td>
<td></td>
</tr>
</tbody>
</table>

#### mikrozid® sensitive liquid

Alcohol-free rapid disinfectant based on quaternary ammonium compounds

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• for alcohol-sensitive surfaces</td>
<td></td>
</tr>
<tr>
<td>• very fast-acting and effective</td>
<td></td>
</tr>
<tr>
<td>• effective against bacteria (incl. Tb), fungi and viruses (incl. HBV, HCV, rota)</td>
<td></td>
</tr>
</tbody>
</table>

#### mikrozid® sensitive wipes

Alcohol free ready-to-use wipes for cleaning and disinfection

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• brilliant cleaning properties</td>
<td>200 wipes-dispenser</td>
</tr>
<tr>
<td>• for alcohol-sensitive surfaces</td>
<td>200 wipes-refill</td>
</tr>
<tr>
<td>• practical jumbo size</td>
<td></td>
</tr>
<tr>
<td>• effective against bacteria (incl. Tb), fungi and viruses (incl. HBV, HCV, rota)</td>
<td></td>
</tr>
</tbody>
</table>

#### mikrozid® AF wipes / Jumbo wipes

Alcohol based wipes for fast effective cleaning and disinfection of surfaces

<table>
<thead>
<tr>
<th>Our Plus</th>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>• dries rapidly, leaving no streaks</td>
<td>Tub 150 wipes</td>
</tr>
<tr>
<td>• aldehyde free</td>
<td>Refill 150 wipes</td>
</tr>
<tr>
<td>• effective against bacteria (incl. Tb), fungi and viruses (incl. HBV, HCV, adeno, rota, papova, polio)</td>
<td>Plus Tub 200 large wipes</td>
</tr>
<tr>
<td></td>
<td>Jumbo Refill 200 large wipes</td>
</tr>
</tbody>
</table>

Use disinfectants safely. Always read the label and product information before use.
Cleaning and disinfection of clean rooms.

Maximum performance with sterile products

perform® sterile
A targeted selection of sterile products developed for high grade cleanrooms. The products are compliant with biocidal products directive (BPP) and have a broad spectrum of efficacy, providing you with optimum safety.
All perform sterile products are gamma-irradiated or aseptically filled and therefore comply with the strictest requirements for use in cleanroom areas.
To facilitate introduction into clean rooms through airlocks, all products in this range are double bagged.

perform® advanced
Comprehensive range of non-sterile products developed for medium to low grade cleanrooms. The products comply with the BPD guidelines and they are microbial filtered.

perform® classic
This range of products are packaged and developed for use in non-cleanroom areas where hygiene standards are still important. They contain active substances with a broad spectrum of efficacy and conform with the BPD.

For further information please request our cleanroom brochure.
Hygiene is the most important instrument.

Safe. Clean. schülke.

The hygienic care and decontamination of medical instruments in medical usage calls for efficient and highly effective formulations that are attuned to the challenges of everyday clinical routine.

Sterile instruments. Safe patients.

Precision and ergonomic handling are two of the most important features of instruments, the cleaning and disinfection of these instruments must function just as precisely and simply. Increased demands on decontamination make material compatibility just as important as broad-spectrum disinfection efficiency. Reliable preparations with short contact times and low use concentrations are essential to ensure smooth and fast processing.

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 mechanical and manual cleaning of instruments.

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

For further information please request our CSSD brochure.
Instruments

Manual cleaning

**gigazyme®**
Enzyme cleaner for flexible endoscopes and surgical instruments

- **Our Plus**
  - suitable for endoscope reprocessors, manual and ultrasonic cleaning
  - non-foaming and leaves no residues
  - mixture of enzymes and surfactants for excellent cleaning performance
  - pleasant fragrance

### Pack size
- 2 l bottle
- 5 l canister

Manual cleaning and disinfection

**gigasept® instru AF**
Disinfection and cleaning for surgical instruments, anaesthesia accessories etc, aldehyde-free

- **Our Plus**
  - effective against bacteria (incl. M. terrae), fungi and viruses (incl. HBV, HCV, HIV)*
  - complies with new standard methods and European Norms
  - outstanding cleaning power | very good material compatibility
  - pleasant fresh aroma | useful life of working solution 7 days

### Pack size
- 2 l bottle
- 5 l canister

* according to RKI recommendation Federal Health Gazette 01/2004

**gigasept® AF forte**
Disinfection and cleaning of rigid and flexible endoscopes, anaesthesia accessories, breathing masks and surgical instruments, aldehyde-free

- **Our Plus**
  - complies with new standard methods and European Norms
  - tuberculocidal, mycobactericidal | useful life of working solution 7 days
  - optimum composition gives short exposure times even with high contamination
  - suitable for ultrasonic use | pleasant aroma as aldehyde-free

### Pack size
- 2 l bottle
- 5 l canister

**gigasept® FF (new)**
A preparation based on succindialdehyde for manual disinfection and disinfectant cleaning of surgical instruments and sensitive medical instruments

- **Our Plus**
  - complies with new standard methods and European Norms
  - mycobactericidal, viruscidal, tuberculocidal, sporicidal
  - outstanding material compatibility
  - particularly suitable for thermolabile and thermostable endoscopes
  - can be mixed with the cleaning intensifier for gigasept® FF if required
  - wide area of application acc. to tests with high organic contamination
  - useful life of working solution 7 days | formaldehyde-free

### Pack size
- 2 l bottle
- 5 l canister
Instruments

**gigasept® PAA | gigasept® PAA concentrate**

High level disinfectant for manual reprocessing of endoscopes

- Our Plus
  - unique peracetic acid based formulations
  - broad antimicrobial spectrum: effective against bacteria, fungi, viruses and spores
  - very short contact time | no activation necessary

**Automated reprocessing – Instruments**

**thermosept® RKF**

A surfactant-free alkaline liquid cleaner (concentrate) for automated reprocessing of medical instruments and accessories used in surgery, anaesthesia and patient care

- Our Plus
  - very powerful cleaning
  - outstanding material-compatibility because of special corrosion prevention
  - minimises risk of iatrogenic transfer of CJD/vCJD

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kg canister</td>
</tr>
<tr>
<td>10 kg canister</td>
</tr>
<tr>
<td>30 kg canister</td>
</tr>
<tr>
<td>200 kg drum</td>
</tr>
<tr>
<td>500 kg container</td>
</tr>
</tbody>
</table>

**thermosept® RKF forte**

A surfactant-free alkaline liquid cleaner (concentrate) for automated reprocessing of medical instruments and accessories used in surgery, anaesthesia and patient care

- Our Plus
  - improved cleaning efficiency due to higher alkalinity
  - good emulsifying and dispersing capacity with effective corrosion protection
  - minimises risk of iatrogenic transfer of CJD/vCJD
  - pH value of 12.3
  - suitable for Hydrogen Peroxide (Oxi Vario), not suitable for aluminium

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kg canister</td>
</tr>
<tr>
<td>10 kg canister</td>
</tr>
<tr>
<td>30 kg canister</td>
</tr>
<tr>
<td>200 kg drum</td>
</tr>
</tbody>
</table>

**thermosept® alka clean forte**

A mild alkaline liquid cleaner (concentrate) containing surfactants for automated reprocessing of medical instruments and accessories used in surgery, anaesthesia and care

- Our Plus
  - mildly alkaline instrument cleaner suitable for aluminium
  - minimises risk of iatrogenic transfer of CJD/vCJD
  - powerful cleaning due to enzymes | broad range of applications
  - suitable for proceedings without neutralization

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kg canister</td>
</tr>
<tr>
<td>10 kg canister</td>
</tr>
<tr>
<td>30 kg canister</td>
</tr>
<tr>
<td>200 kg drum</td>
</tr>
</tbody>
</table>
Instruments

thermosept® NKZ

Liquid 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

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
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<tr>
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</tr>
<tr>
<td>200 kg drum</td>
</tr>
<tr>
<td>500 kg container</td>
</tr>
</tbody>
</table>

Automated reprocessing – Endoscopes

thermosept® ER | thermosept® ED

Enzyme cleaner concentrate and disinfection components for the chemo-thermal reprocessing of flexible endoscopes

- **Our Plus**
  - excellent material compatibility
  - contains corrosion inhibitors | non-foaming
  - effective against bacteria, fungi, viruses and spores

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 l canister</td>
</tr>
</tbody>
</table>

NEW in 2009

thermosept® PAA

High level disinfectant component for flexible endoscopes

- **Our Plus**
  - special peracetic acid based formulation
  - broad antimicrobial spectrum: effective against bacteria, fungi, viruses and spores
  - very short contact time: 5 min
  - good material compatibility

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>base 5 l canister</td>
</tr>
<tr>
<td>additive 5 l canister</td>
</tr>
</tbody>
</table>

Automated reprocessing – Dialysis machines

dialox® HP

Highly efficient disinfectant/cleaner/descaler for haemodialysis machines and water treatment units.

- **Our Plus**
  - unique active oxygen based formulation: complete microbiocidal spectrum (bacteria, mycobacteria, fungi, viruses and spores)
  - disinfection, cleaning, descaling in one step
  - ready to use | not classified as dangerous good

<table>
<thead>
<tr>
<th>Pack size</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 ml bottle</td>
</tr>
<tr>
<td>5 l canister</td>
</tr>
<tr>
<td>20 l canister</td>
</tr>
</tbody>
</table>
Hygiene technology

schülke filtration

schülke total filtration
Sterile point of use filter capsules to guarantee microbiologically pure and legionella free water

- **Our Plus**
  - guarantees microbiologically pure and legionella free water for 7 days or 14 days
  - advanced filtration membrane
  - contains a pre-filter to improve effectiveness and prevent clogging of the filtration membrane
  - a range of adaptors to fit standard taps and shower heads
  - packaged in a radiosterilized sachet
  - patented protective skirt and peelable lid for sterility
  - disposable – no need for reprocessing

<table>
<thead>
<tr>
<th>Product</th>
<th>Outlet</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>7A</td>
<td>Large shower</td>
<td>7 days</td>
</tr>
<tr>
<td></td>
<td>Flat</td>
<td>7 days</td>
</tr>
<tr>
<td>14A</td>
<td>Large shower</td>
<td>14 days</td>
</tr>
<tr>
<td></td>
<td>Flat</td>
<td>14 days</td>
</tr>
</tbody>
</table>

schülke legionnella filtration
Sterile single-use point of use filter capsule to guarantee legionella free water

- **Our Plus**
  - guarantees legionella free water for 30 days
  - advanced filtration membrane
  - contains a pre-filter to improve effectiveness and prevent clogging of the filtration membrane
  - a range of adaptors to fit standard taps and shower heads
  - packaged in a radiosterilized sachet
  - patented protective skirt and peelable lid for sterility
  - disposable – no need for reprocessing

<table>
<thead>
<tr>
<th>Product</th>
<th>Outlet</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>30LPA</td>
<td>Large shower</td>
<td>30 days</td>
</tr>
<tr>
<td></td>
<td>Flat</td>
<td>30 days</td>
</tr>
</tbody>
</table>

pumping station

pumping station for CSSD
Customised chemical pumping station for installed washing machines

- **Our Plus**
  - reliable technology requiring minimal maintenance
  - free from complicated control and operating elements
  - space-saving because of highly efficient supply pumps
  - adaptable for possible expansion of the CSSD
Hygiene technology

Accessories

**Elbow Dispenser**
Wall mounted elbow dispenser for hand disinfection, wash and cream lotion.
- **Product**
  - for 450 / 500 ml and for 1 l

**Spray Pump**
Spray adaptor for alcohol based disinfectants.
- **Product**
  - for 1 l

**Dosing Pump**
Pump for hand disinfection, wash and cream lotion. Dispenses 3 ml per plunge.
- **Product**
  - for 450 / 500 ml and for 1 l

**Dosing Set**
Wall brackets and doser for hand disinfection, wash and cream lotion. Dispenses 3 ml per plunge.
- **Product**
  - for 450 / 500 ml

**Bed mount**
- **Product**
  - for 500 ml or 1 l

**20 ml Doser**
- **Product**
  - for 2 l

**Dosing Key**
- **Product**
  - for 5 l, 10 l and 30 l canister

**Dosing Tap**
- **Product**
  - for 5 l, 10 l and 30 l canister

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