

#stayhealthy

# Work together. Protect each other.

Hygiene in the workplace



we protect lives  
worldwide

“What we do today  
determines what the world  
will look like tomorrow.”

Marie von Ebner-Eschenbach





## WORK & HOME

The majority of us spend a large part of our daily lives at work. The things we do every day, relationships with colleagues, managers, staff or customers, and the design of the workplace to a large extent determine our satisfaction in life. And this is also in the interest of employers: People who feel happy at work will also make a greater contribution to a company's productivity.

The unprecedented global situation created by the COVID-19 pandemic has brought about a collective change of perspective, and has turned familiar and even supposedly unchanging things upside down and rearranged them. The measures known as "lockdown" or "shutdown" designed to contain the further spread of the corona virus have resulted in massive restrictions on social, public and economic life and have ushered in new forms of living together. Social distancing rules and faces hidden behind face coverings have pushed people apart. A return to "pre-Corona normality" – even with a vaccine – will only be possible with a great deal of caution and common sense.

In hindsight, and after enough time has elapsed, we will perhaps also get some positives out of the great reset caused by Corona. For example, from the point of view of infection prevention, we can welcome the increased vigilance and increased awareness of the spread and risks of pathogens in all sections of the population. What has been learned mantra-like by workers in the healthcare and food sectors for years in countless hygiene courses has suddenly and as if by magic become the new normal: Hand hygiene is at the forefront of everyone's mind and is an essential part of daily life.

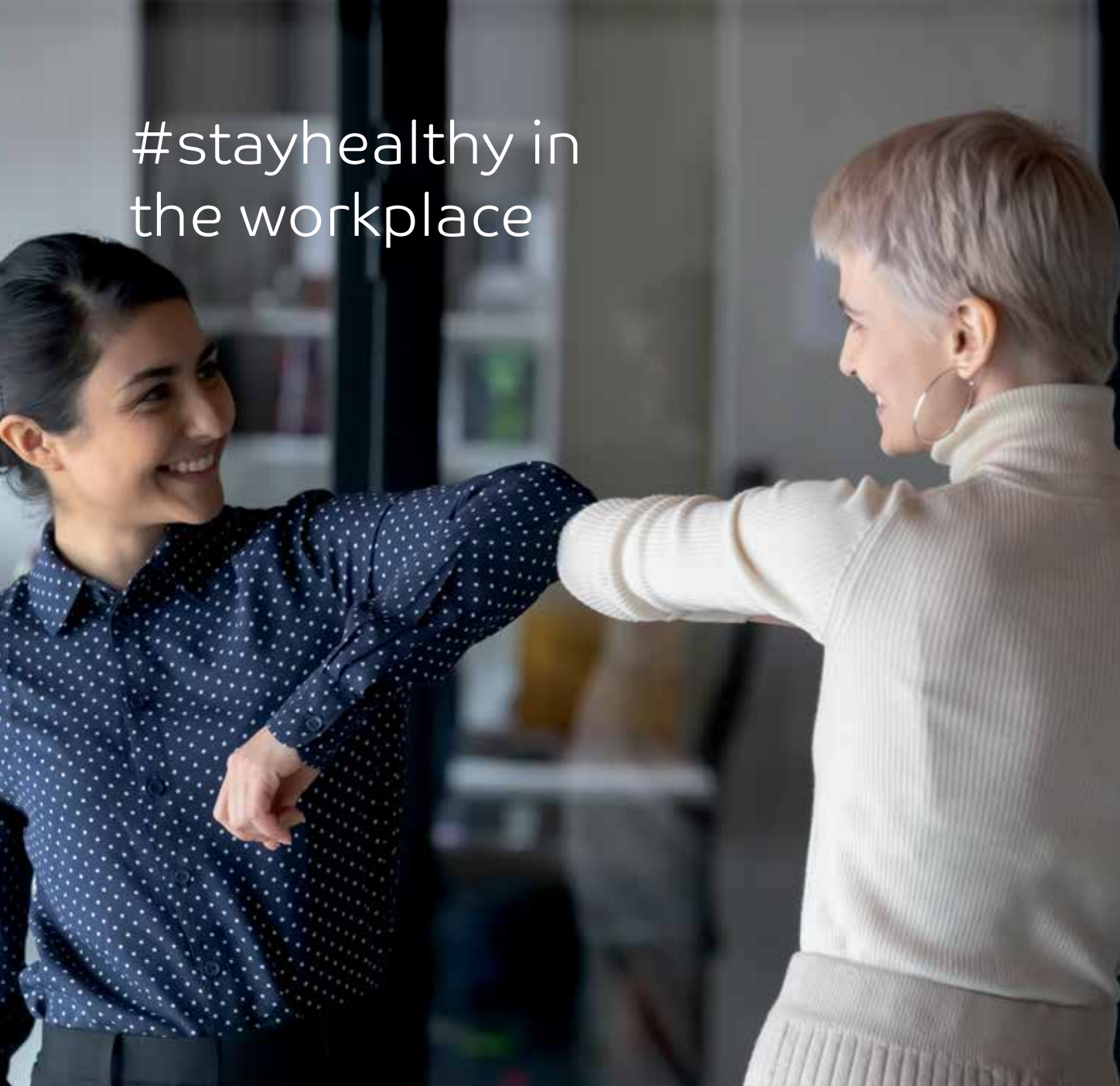


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# #stayhealthy in the workplace





*A corporate strategy named "Health Promotion at Work" and focused on employee health, is being adopted by more and more companies.*

The aim is to prevent illness at work, improve employees' well-being and maintain staff health in the long term. Because if one thing has become clear, it is that a company's financial performance depends to a great degree on qualified, motivated and healthy employees.

Many factors affect our health – such as work environment, diet, exercise, working atmosphere and mental balance. This folder focuses on classic microbiological pathogens and how the disagreeable to severe effects can often be easily eliminated by the systematic application of suitable hygiene measures.

After all we should never forget that bacteria and viruses are lurking everywhere. Most are harmless, many are even useful. For example, the bacteria making up our intestinal flora keep us healthy. They stimulate our immune system to activate our natural defences and they are an important factor in our digestive processes. On the other hand, some microbes make us ill. But, if you know about their transmission pathways, then you can protect yourself and others effectively.

## PATHOGENS AND THEIR TRANSMISSION PATHWAYS

Transmission pathway	Pathogen transmission	Examples
 Airborne infection	<p>Through droplets (aerosols) by sneezing, coughing or speaking.</p> <p>The particles can float in the air for hours and infect other people if they inhale them.</p>	<ul style="list-style-type: none"> <li>• Seasonal influenza (influenza virus)</li> <li>• COVID-19 (corona virus)</li> <li>• Rhinitis/common cold (e.g. rhino virus)</li> </ul>
 Direct contact infection, indirect contact infection	<p>Direct contact: from person to person through physical contact or touching (e.g. via hands)</p> <p>Indirect contact: via contaminated surfaces and objects (such as toilet seats, door handles, touchscreens, light switches, etc.)</p>	<ul style="list-style-type: none"> <li>• Diseases causing diarrhea (including noro and rota virus)</li> <li>• Conjunctivitis (including staphylococci or adeno virus)</li> <li>• Cold sores (herpes virus)</li> <li>• Potentially also influenza or a cold, such as when sneezing into the hand or when droplets settle on surfaces</li> </ul>

### #STAYHEALTHY IN WINTER – AND ALL YEAR ROUND

- **Pay attention to correct hand hygiene.** Disinfect your hands regularly, especially following contact with anyone who is ill or with potentially contaminated surfaces; always wash hands thoroughly before eating and after using the toilet.
- **Pay attention to surfaces as well.** Regularly clean and disinfect germ traps – such as keyboards, telephones, door handles, coffee machines, taps etc.
- **Handle food hygienically.** Wash kitchen areas, refrigerators and shared kitchen utensils carefully and, if necessary, disinfect them. Do not eat at your desk if possible.
- **Make sure there is fresh air in the office.** Winter is the main season for colds, with excessive periods of heated room air, which is often too dry, and as a consequence causes the mucous membranes to dry out making them more susceptible to infections. Let fresh air in at least three or four times a day for ten minutes at a time to improve the atmosphere in the room.







# Your health is in your hands

*Hand washing, coughing and sneezing into the crook of your arm, social distancing, wearing a face covering. The golden rules of social behaviour have been instilled into many of us during the COVID-19 pandemic.*

Even disregarding COVID-19, proper hand hygiene is one of the most effective and at the same time simplest measures against the spread of pathogens, a message the World Health Organization (WHO) has been pushing for years.<sup>1</sup>

**Experts estimate that about 90% of all hospital infections are transmitted via the hands.** In everyday life, personal hand hygiene – at least before Corona – was not in general especially good. In the UK, for example, it has been shown that almost one third of people who regularly use public transport have bacteria of faecal origin on their hands.<sup>2</sup>

In both the domestic and public context, hand disinfection in particular as a core element in good hygiene practice can prevent infections. Studies show that especially the probability of gastrointestinal infections, but also of respiratory and skin infections, is significantly reduced when people disinfect their hands or at least wash them very thoroughly.<sup>3</sup>

## **COST/BENEFIT RATIO**

Hand hygiene is one of the most cost-efficient ways of reducing infectious diseases and thus reducing sickness absence and absenteeism among employees.<sup>4</sup> A number of studies have shown that the risk of contracting respiratory

and gastrointestinal infections can be reduced by 30% to almost 50% through improved hand hygiene measures.<sup>5,6</sup>

One study in a large insurance company with almost 1,400 participants, 20% fewer sick days were recorded among employees who were provided with hand disinfectant dispensers. However, the project had other benefits beside a substantial improvement in hand hygiene discipline. The company's attention to the health and well-being of its employees was also appreciated and was reflected in higher employee satisfaction.<sup>7</sup> In another study conducted in German offices, regular hand disinfection during working hours by itself reduced the number of cases of sickness due to colds by 65 percent.<sup>8</sup>



## EVERYTHING CLEAR? HOW TO RECOGNISE HIGH-QUALITY PRODUCTS

“Isn’t one hand hygiene product as good as another?” On the contrary, the choice of disinfectant agent is crucial. The following applies when selecting high-quality hand disinfectant:

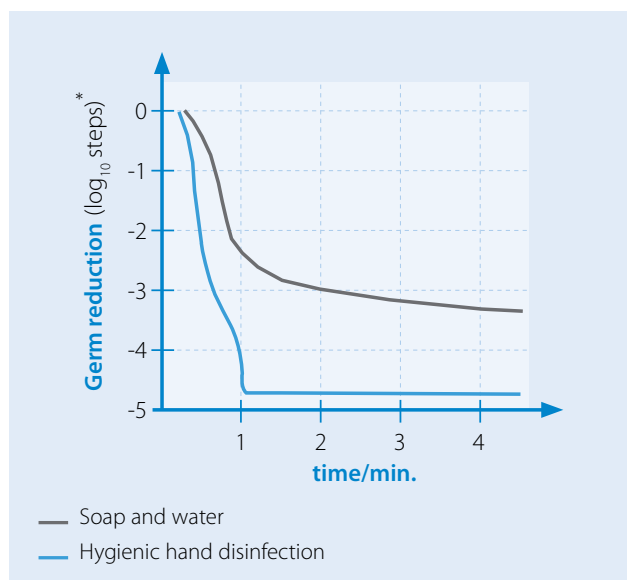
*Pay attention to proven effectiveness according to EN 1500, to added care substances and to proven quality. These can be recognised through approvals from the professional associations ÖGHMP (Austrian Society for Hygiene, Microbiology and Preventive Medicine) or VAH (Association for Applied Hygiene), as well as from the rating in the Vienna disinfectant database WIDES.*

WIDES, ÖGHMP, VAH, IHO

## TRUE OR FALSE? When it comes to disinfection, there's a lot of fake news going around

☒ **FALSE** Washing hands and disinfecting hands are equally effective.

☒ **TRUE** Washing your hands makes them clean but only disinfection makes them safe. When washing your hands thoroughly, some germs and viruses are rinsed off mechanically, together with dirt and skin particles. Hand disinfection, on the other hand, eliminates the pathogens – very quickly and thoroughly. The graphic illustrates the difference. The reduction in germ levels required to reliably prevent further transmission of pathogens is specified in international test standards (such as EN 1500). Neither hand washing nor “non-alcoholic hand disinfection” meet this requirement.



☒ **FALSE** Hand disinfection dries out the skin.

☒ **TRUE** Low quality products may actually damage the skin. Frequent hand washing with soap and water is also very stressful on the skin and makes it dry and cracked.

Premium hand disinfectants, such as *desderman*<sup>®</sup> care and *desmanol*<sup>®</sup> pure contain specially selected care substances. They deliver valuable ProPanthenol and moisturising ingredients to the skin with every application. The dispensers can be conveniently placed wherever they are needed – even away from washbasins.

\*Does not include supply of equipment or technical systems

**❌ FALSE** It doesn't always have to be alcohol.

**✅ TRUE** Actually it does, at least for hand disinfection. Ethanol and 1- and 2-propanol are examples of aliphatic alcohols and are the agents of choice for hand disinfection – with good reason. They are effective against bacteria, yeasts and many viruses in a short time (the relevant test standard EN 1500 for hygienic hand disinfection prescribes max. 30 seconds).

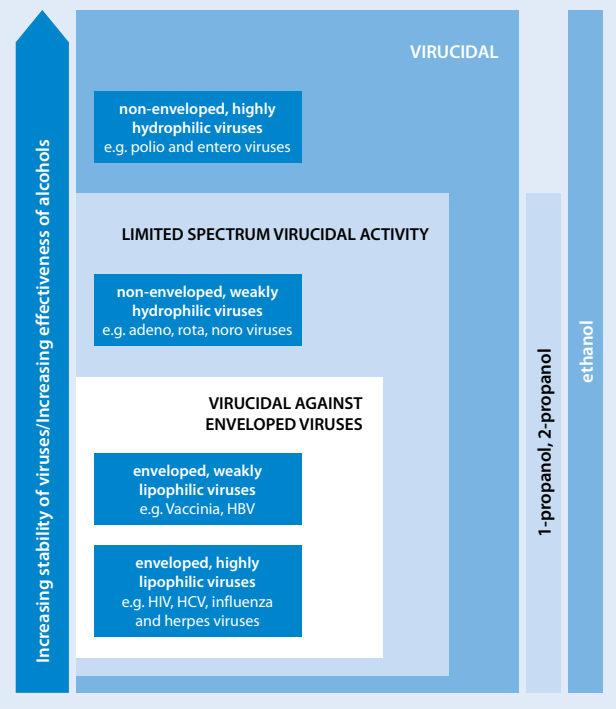
“Effective” means that the disinfectant reduces the number of pathogens to such an extent that transmission is excluded or unlikely. “Non-alcoholic hand disinfectants” – mostly based on chlorine – in any case do not meet the requirements of EN 1500 and are unsuitable for effective infection prophylaxis. As oxidising substances they also degrade the skin and contribute to skin ageing. The VAH (German Association for Applied Hygiene) strongly advises against the use of products containing sodium hypochlorite for hand disinfection due to instability and possible skin irritation.<sup>9</sup>

High-quality alcohol based products also have a practical advantage: the alcohol evaporates quickly after application. Your hands are dry and well cared-for thanks to the care substances. After using water-based products, hands stay moist much longer and sometimes feel sticky. Drying with a towel further impairs the already reduced effectiveness.

### High Degree of Safety

Alcoholic hand disinfectants contain high concentrations of ethanol, 1-propanol and/or 2-propanol. The concentrations and combinations of alcohols used determine the effectiveness of a product. There are three categories of efficacy for disinfectants against viruses: virucidal against enveloped viruses, limited spectrum virucidal activity, and virucidal (against enveloped and non-enveloped viruses). Of the non-enveloped viruses, noro, rota and adeno viruses are the most common cause of outbreaks in medical and public institutions.<sup>10</sup>

### Alcohol & viruses: effective ranges of disinfectants



### A handful of effective care

Even a high-quality hand disinfectant can only release its full effect when used correctly. As a rule of thumb: 3 ml – 30 seconds. Dispense 3 ml of hand disinfectant (roughly the capacity of your cupped hand) into your cupped dry hand. Then rub the hands and individual fingers completely for 30 seconds – not forgetting the thumb and nail folds. The hands must remain moist for the entire rubbing time, if necessary use additional hand disinfectant.

The graphic on the following page shows the “6 steps of hygienic hand disinfection according to EN 1500”. When you follow this recommendation you are playing safe with your hand disinfection routine.

A study at the FH Campus Vienna of laypersons regarding hand disinfection showed that a sufficient reduction of germs can also be achieved through independent hand disinfection with a high-quality product. A supermarket product promising to eliminate 99.9% of the pathogens was graded as a fail in this study.<sup>11</sup>



### Six steps for hygienic hand disinfection.



Hygienic hand disinfection:  
Watch the video

### Hygiene in top form with the schülke system

A study from Germany shows that the willingness to regularly disinfect hands at work – even outside the health sector – is very high. When disinfectants were made available in various offices, the hand hygiene of the employees improved significantly. The study authors explained the results as follows: Compared to hand washing with soap, hand disinfection is done in one step and is not necessarily restricted to sanitary facilities, such as toilets.<sup>12</sup>

For a hand hygiene system to be accepted by employees and successfully implemented in practice, it is essential to make approved products easily available.

A systematic review recently showed: The greater the range of optimal hand hygiene measures in a business, the greater their effectiveness. And fewer infectious diseases were reported.<sup>13</sup>

schülke offers a comprehensive, coordinated range from effective and gentle hand disinfection and cleaning, through skin protection and care to technical equipment and dispensing aids. The effectiveness of the individual disinfection and skin protection/care products – also in combination with each other – has been confirmed in numerous studies and meets national and international requirements.

In top form: with comprehensive hygiene solutions by schülke.

### Hand disinfection during pregnancy: How can it be done?

A central question for occupational medicine is whether a hand disinfectant is also suitable for pregnant employees. In this regard, only products that do not pose a risk to the mother and her expectant child are acceptable. Based on a comprehensive toxicological evaluation, it has been concluded that *desderman® care* and *desmanol® pure*, when used in line with intended use, cause no adverse systemic impacts. No disinfectant concentrations are reached that could impact the development of the unborn child during pregnancy. The same applies during the breastfeeding period.

schülke hand disinfectants can also be used during pregnancy or breastfeeding. Especially during pregnancy, the woman's immune system is weakened and preventing infection is particularly important.





## On surfaces: ready, steady, go!

*When most people talk about preventing infection they usually have hand disinfection in mind. As explained in the chapter “Your health is in your hands”, this is indeed one of the most effective hygiene measures.*

Surfaces are the “hands” of a business. Door handles, light switches, keyboards & the computer mouse (particularly in shared desk organisations), coffee machines and printers – they all are in direct contact with employees who may have just sneezed into their hands, or who have come straight from the metro or toilet, and are therefore hot spots for bacteria and viruses.

Even apparently clean surfaces can be contaminated. If pathogens are passed to the nose, mouth or eyes via the hands, employees can sometimes fall ill very quickly, depending on the germ involved.

### **Beyond surface appearances: Germs lurk everywhere**

In recent years, several new viruses with a considerable pandemic potential have appeared. SARS-CoV-2, the COVID-19 pathogen, has undoubtedly made the greatest impact. However, swine flu (H1N1), bird flu (H5N1) and other corona viruses such as the SARS and MERS have appeared causing major headaches for those responsible for health and safety all over the world.

These pathogens can survive on surfaces for some time, sometimes even months, depending on the virus strain, the surface finish and the environmental conditions.<sup>14</sup>

Indirect contact infection via surfaces plays a secondary role in the transmission of respiratory diseases such as influenza or COVID-19, compared to airborne infection. Nevertheless, this pathway should also be reliably blocked in order to prevent the spread of infection.

### Breaking chains of infection – even if pathogens take the backdoor

Diarrhea-type diseases are mainly transmitted by direct contact or indirect contact infections. Tiny traces of infectious faeces residues reach the mouth via the hands. The pathogens, mostly noro and rota viruses, can also be picked up via toilet seats or other commonly used areas such as break rooms or the canteen.

Regularly disinfecting surfaces is essential for reliably preventing indirect contact infections. *mikrozid® universal wipes* are particularly gentle on equipment – including touchscreens, smartphones and tablets. Unlike most other surface wiping products, the *mikrozid® universal wipes* have been dermatologically tested and can be safely used without gloves. Fast-acting and broadly effective (against *E. coli*, salmonella, rota virus, influenza virus and corona virus within 30 seconds).

Highly effective against pathogens and gentle on surfaces: *mikrozid® universal*



### Biotoxes in the office and how one toddler brought an entire car dealership to a standstill

One study in which a virus potentially spreading through the workplace was simulated using viruses harmless to humans (MS2 phages) demonstrated the sources of risk: The refrigerator, drawer handles, water taps in the break room, the handle bar for opening the door at the main exit and the soap dispenser in the ladies' toilet were the most contaminated areas.<sup>15</sup>



Another study reports on a noro virus outbreak among employees at a car dealership. Twelve of the 16 employees fell ill with this severe gastrointestinal infection after a meeting they attended. Initially, a sandwich machine was suspected as the source of the infection. However, several employees then reported seeing a toddler with diarrhea in the toilets at the car dealership shortly before lunch. And indeed, the same strain of the virus that knocked out the staff was identified in the child – as well as in the baby changing facilities at the dealership. Contrary to what was initially suspected, this sudden outbreak of gastrointestinal disease was therefore to environmental factors, not the food consumed.<sup>16</sup>





# Always at hand: Service and information material from schülke

**Work together. Protect each other.** Expertise in hygiene – for over 130 years. We've seen it all and keep an eye on everything. We know the hygienic weak points of businesses, the legal requirements and the stumbling blocks in practical implementation. Together with you, we will find the best solution for your individual requirements.

✓ We are glad to support you with free stickers & posters.

Sticker "Hygienic hand disinfection according to EN 1500".



Sticker "Hygienic WC Use"



Poster "So simple, so effective: prevent infections"



Because schülke solutions are appreciated and used throughout the world, the nearest schülke contact is usually close at hand. Our subsidiaries and national sales partners are found on five continents. Get in touch with us! We would be happy to advise you personally.

# Rapid surface disinfection by schülke



# Product overview



## sensiva® wash lotion

Skin-friendly wash lotion colour and perfume free.

### Our plus

- soap-free wash lotion based on skin-compatible surfactants
- for gentle hand and body cleansing
- with allantoin, which protects the skin from dehydration and irritation
- gently cleanses and protects the skin
- colour- and perfume-free, paraben- and silicone-free
- dermatologically tested
- perfectly coordinates with hand disinfection, skin protection and care products from schülke
- suitable for food processing and handling

### Package size

- 500 ml dispenser bottle
- 1 l dispenser bottle
- 1 l Euro bottle
- 5 l canister
- 500 ml hyclick® dispenser bottle
- 1 l-hyclick® dispenser bottle



## esemtan® wash lotion

Skin-friendly washing lotion with a delicate fragrance.

### Our plus

- soap-free wash lotion based on skin-compatible surfactants
- for gentle hand and body cleansing
- with allantoin, which protects the skin from dehydration and irritation
- gently cleanses and protects the skin
- paraben- and silicone-free with a subtle fragrance
- dermatologically tested
- perfectly coordinates with hand disinfection, skin protection and care products from schülke

### Package size

- 500 ml dispenser bottle
- 1 l dispenser bottle
- 1 l Euro bottle
- 5 l canister
- 500 ml hyclick® dispenser bottle
- 1 l-hyclick® dispenser bottle



## esemtan® skin lotion

Light skincare lotion with a pleasant fragrance.

### Our plus

- light hand and body care an oil-in-water formulation (o/w)
- with jojoba oil and beeswax
- caring & moisturising
- absorbs quickly, easy to distribute
- perfectly coordinates with hand disinfection and washing lotions from schülke
- free of colour, parabens and silicone with a pleasant fragrance
- dermatologically tested

### Package size

- 150 ml pocket bottle
- 500 ml dispenser bottle





## desderman® care

Virucidal ethanol-based hand disinfection with a skin-friendly care formula.



### Our plus

- broad spectrum efficacy against bacteria, fungi and viruses
- virucidal according to EN 14476 within hygienic hand disinfection (30 sec.)
- limited spectrum virucidal activity including noro viruses in 15 sec.
- reliable long-term effect up to 6 hours
- ProPanthenol complex + vitamin E: cares for your skin with every hand disinfection
- colour- and fragrance-free, ensuring skin compatibility
- dermatologically tested
- suitable for food processing and handling



### Package size

- 100 ml pocket bottle
- 500 ml dispenser bottle
- 1 l dispenser bottle
- 1 l Euro bottle
- 5 l canister
- 500 ml hyclick® dispenser bottle
- 1 l-hyclick® dispenser bottle



## desmanol® pure

Extra gentle hand disinfection based on isopropanol alcohol with panthenol.

### Our plus

- broad spectrum efficacy against bacteria, fungi and viruses (limited virucidal PLUS)
- effective against noro virus (MNV) within hygienic hand disinfection (30 sec.)
- skin protection and care through innovative active ingredient (dexpanthenol + ethylhexylglycerin)
- colour- and fragrance-free, ensuring skin compatibility
- suitable for food processing and handling



### Package size

- 100 ml pocket bottle
- 500 ml dispenser bottle
- 1 l dispenser bottle
- 1 l Euro bottle
- 5 l canister
- 500 ml hyclick® dispenser bottle
- 1 l-hyclick® dispenser bottle



## sensiva® dry skin balm

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

### Our plus

- for the care of demanding and dry skin (water-in-oil, w/o)
- suitable for hand and body care
- provides the skin with intensive moisture
- easy to apply
- with shea butter and vitamin E
- perfectly coordinates with hand disinfection and washing lotions from schülke
- free of colour, parabens and silicone with pleasant fragrance
- dermatologically tested

### Package size

- 150 ml pocket bottle
- 500 ml dispenser bottle



## mikrozid® universal liquid | wipes *premium | premium maxi*

Low alcohol rapid disinfection of medical devices and other surfaces.

### Our plus

- broad spectrum of efficacy within short contact time (norovirus in 30 sec.)
- excellent material compatibility with a wide range of materials
- outstanding cleaning performance
- ready to use
- dermatologically tested
- mikrozid® universal wipes *premium* handy soft pack format, premium cloth quality, extra soft
- mikrozid® universal wipes *premium maxi* extra large wipes, softpack format, premium wipe quality, extra soft, high reach



### Package size

1 l spray bottle  
5 l canister  
softpack with 100 *premium* wipes  
softpack with 80 *premium maxi* wipes



## Preparation dispenser RX 5 M

Manually operated wall dispenser for hand disinfectant, washing and care lotions in 500 ml bottles.

### Our plus

- easy bottle change
- easy pump change by front removal
- attractive, robust plastic dispenser
- with "Safety-Click" collecting tray
- suitable for all 500 ml bottles
- easy cleaning by using alcohol-based wipes (e.g. mikrozid® AF)
- optionally lockable

### Product & Accessories

RX 5 M 500 ml, incl. drip tray white



## Touchless universal dispenser RL1

Wall mounted or stand-alone touchless dispenser for liquid, gel or soap.

### Our plus

- suitable for liquid, soap and gel (500 ml and 1 l schülke bottles)
- wall mounted or stand-alone (optional)
- drip tray included
- all parts replaceable
- complete emptying due to upside down use of the bottle
- battery powered or plug-in (optional)
- easy cleaning by using alcohol-based wipes (e.g. mikrozid)
- locked (key included)

### Product & Accessories

RL1 incl. drip tray  
white column  
power supply key



## mikrozid® AF liquid | wipes

Alcohol-based rapid disinfection of medical devices and other surfaces.

### Our plus

- ready to use
- fast, streak-free drying
- aldehyde-free
- broad spectrum of within shortest time (bacteria, yeasts, viruses)
- good wetting properties



### Package size

250 ml spray bottle  
1 l bottle  
5 l canister  
10 l canister  
50 premium wipes (softpack)  
150 wipes (tin)  
150 wipes (refill)



## hyclick®

Dispenser suitable for 500 ml and 1 l hyclick® bottles with integrated pump.  
For the application of hand disinfectants and washing lotions.

### Our plus

- click system for simple, fast bottle change
- "non-removable" screw cap prevents reuse of the pump
- optimum protection against contamination
- minimal cleaning effort thanks to rounded design
- adjustable dosing stroke: approx. 1.5 or 3 ml
- easy cleaning by using alcohol based wipes
- easy mounting on standard wall mounting plates

### Dispenser

hyclick® preparation dispenser  
1000 ml

hyclick® preparation dispenser  
Vario 500 ml/1000 ml

### Accessories

hyclick® 500 ml adapter  
drip tray



## Preparation dispenser sm2

sm 2 Universal – suitable for 500 ml to 1 l bottles - sm 2 500 – suitable for 500 ml bottles – For the application of hand disinfectants, wash and care lotions.

### Our plus

- no recontamination or evaporation due to unique pump design and integrated bottle closure
- valve protected from contact and contamination
- container can be completely emptied due to a flexible suction hose
- adjustable stroke from 1 ml – 3 ml
- easy cleaning as dispenser and pump can be completely disassembled
- simple mounting

### Product & Accessories

sm 2 Universal (500 ml + 1 l)

sm 2 500 (500 ml)

dish fixing for sm 2 Universal /  
sm 2 500 complete

replacement pump





## Hygiene station stainless steel

High-quality stainless steel column for all schülke product dispensers.

### Our plus

- ideal for entrance areas and places where wall mounting of dispensers is not desirable or not possible.
- suitable for all schülke dispensers (incl. touchless dispenser)
- prepared as standard for mounting of all dispensers
- hygienic and robust stainless steel construction with anti-fingerprint coating
- quick and easy installation
- non-slip due to rubber feet
- attachable document holder available separately

### Disinfection column

stainless steel column  
(H: 121 cm without document holder, base area: 25 x 33 cm)<sup>#</sup>

hygiene station stainless steel manual (incl. KHK 1000 ml and bowl holder)

hygiene station stainless steel manual (incl. KH 1000 ml and bowl holder SH 5)

### Accessories

document holder for hygiene station



## Touchless dispenser RX 5 T

"3-in-1" preparation dispenser RX 5 Touchless for hand disinfectants and washing lotions in 500 ml bottles.



### Our plus

- touchless dispenser suitable for all 500 ml bottles
- 3-in-1 solution: can be mounted on tables, the walls or columns
- manually operated dispenser with long lever for elbow operation
- easy changing of the bottles
- easy mounting on wall and stainless steel column
- attractive, robust plastic dispenser
- integrated drip tray
- easy cleaning by using alcohol based wipes
- power supply by 4 C batteries

### Product & Accessories

RX 5 Touchless 500 ml (dispenser incl. wall mounting plate)

RX 5 stainless steel column

drip tray RX 5 T



## wall bracket for square bottles

Plastic wall bracket for the application of care products, etc.

### Our plus

- suitable for 500 ml or 1000 ml bottles and hyclick® bottles
- made of sturdy plastic
- back panel with four holes
- alcohol resistant

## dosing set

Metal holder and pump for quick hand and surface disinfection, washing and cream lotions.

### Our plus

- practical dosing set for wall mounting
- suitable for hand disinfectants, washing and care lotions or rapid surface disinfection in 500 ml or 1000 ml schülke bottles

<sup>#</sup> Dispenser not included in delivery

# Literature

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## BACTI. CIDAL

### Bactericidal

Bactericidal is the term used to describe active ingredients or active ingredient solutions that damage bacteria to such an extent that they trigger the irreversible cell death of the pathogens. Bacteria can be transmitted by airborne infection, hands, skin, surfaces and instruments. Bactericidally active disinfectants reduce or, in the best case, prevent the transmission of infection by bacteria.

## VIRU CIDAL

### Virucidal

Virucidal is the term used to describe drugs or disinfectants that attack viruses or their nucleic acids to such an extent that they irreversibly damage or inactivate the pathogen. Viruses can be transmitted by airborne infection, hands, skin, surfaces and instruments. Virucidally active disinfectants reduce or, in the best case, prevent the transmission of infection by viruses.

## NORO

### Noro virus

Noro viruses are the main cause of non-bacterial gastrointestinal infections. The virus is transmitted faecal-orally. Patients with a weakened immune system suffer the most from severe consequences. These viruses are particularly resistant and can therefore survive on surfaces for a comparatively long time. Effective prevention is achieved by professional use of tested disinfectants with proven noro virus effectiveness (test virus: Murines Noro virus, MNV).

## VRE MRGN

### VRE/ESBL/MRGN

A major problem is the resistance of bacteria to antibiotics. In particular, multi-resistant gram-negative bacteria (MRGN) are of great relevance in the health sector due to severely limited treatment options. Some gram-negative bacteria can produce an enzyme (extended-spectrum betalactamase, ESBL) that inactivates certain antibiotics and increases the risk of resistance. Vancomycin-resistant enterococci (AER) primarily colonise the lower gastrointestinal tract. The main transmission route is through infected stool by the hands of the staff. Health risks arise to a high degree for children, older or immunosuppressive patients.

## TB

### TB

Tuberculosis (TBC) TB is an infectious disease that most frequently affects the lungs and is mainly caused by mycobacteria. Of particular concern is the spread of multidrug resistant (MDR-TB) and extremely drug resistant (XDR-TB) strains. Mycobacteria remain infectious in the air as well as on hands, skin, surfaces and surgical instruments for hours. Disinfectants with suitable active ingredients and a broad spectrum of activity are suitable for prevention and control. Their performance should be assured by the special test regulations for mycobacteria of the Euronorms EN 14348 as well as EN 14563 and listed according to DGHM/VAH.



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