



schülke -+

#stayhealthy

Work together. Protect each other.

Hygiene in the workplace



we protect lives
worldwide

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.

Andrea Wagner
Marketing & Scientific Affairs,
Schülke & Mayr Ges.m.b.H.

HP Inc. and schülke are joint marketing partners and schülke is a software application developer with HP Workpath.

A HYBRID WORLD

Prior to the pandemic the workplace and labor markets around the world were undergoing transformations to become more technology enabled, learning how to balance a workplace experience for their employees with a digital-first "smart workplace" environment. The COVID-19 pandemic accelerated the pace and intensified the need for a digital workplace transformation as we all experienced as employees, parents and families how to live, work and go to school completely isolated from each other.

As the world has opened up and leaders of governments as well as companies large and small open their doors welcoming civil servants and employees "back" to work, returning to the office as we once knew it has significantly transformed to something in the middle called "hybrid". In a recent PricewaterhouseCooper's survey, more than 60% of executives plan to increase spending on virtual collaboration tools and manager training to support remote work, and more than half of employees (55%) now want to be remote at least three days a week.¹

For a successful future in a hybrid world, the conversation and focal point needs to shift from talking about the workplace to embracing a workspace. Employee expectations have shifted to a workspace experience that demands a focus on health, safety & well-being, a flexible use of digital tools, realistic sustainability initiatives and personalized human experiences virtually and face-to-face.

This new hybrid world focused on the workspace drastically increases the freedom we have in all areas of our lives. We have more freedom to choose where we work, when we work, and how we work. Mastering micro mobility between our homes, reimagined officespaces, and our favorite local coffee shop or cafe. HP has developed technology, solutions and services that helps create new flexible efficient workspaces, engaging meaningful human experiences and a focus on everyone's health, safety and well-being.

As we all embrace this new hybrid world of new workspaces, the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC) have stated that all businesses, enterprises and plantations should protect the health and safety of their employees and those affected by their operations with recommendations and guidance surrounding enhanced infection prevention policies and protocols. These recommendations include regular and appropriate cleaning and disinfection of technology surfaces such as workstations, touchscreen displays, keyboards, printers and copiers to reduce the risk of exposure and transmission of viruses and bacteria.²

As such, HP has designed technology and solutions that help customers appropriately adhere to the WHO and CDC recommended health and safety standards to clean and disinfect select HP devices wherever workspaces happen. Furthermore, HP is dedicated to providing market-leading business solutions that help you be innovative, productive and support your well-being through our unique collaboration with schülke – providing you the tools and information for success wherever your new workspace takes you.

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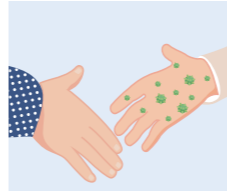
A corporate strategy named "Health Promotion at Work" and focused on employee health is being adopted by more and more companies.

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 brochure focuses on classic microbiological pathogens and how the minor 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
 <p>Airborne infection</p>	<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"> • Seasonal influenza (influenza virus) • COVID-19 (corona virus) • Rhinitis/common cold (e.g. rhino virus)
 <p>Direct contact infection, indirect contact infection</p>	<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, technology surfaces – touchscreens, displays, keyboards, mice, copiers, printers –, light switches, etc.)</p>	<ul style="list-style-type: none"> • Diseases causing diarrhea (including noro and rota virus) • Conjunctivitis (including staphylococci or adeno virus) • Cold sores (herpes virus) • Potentially also influenza or a cold, such as when sneezing into the hand or when droplets settle on surfaces

#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, mice, printers, displays, 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 and the flu, 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.





30% to almost 50% through improved hand hygiene measures.^{7,8}

One Study, which focused on a large insurance company with almost 1,400 participants, found that 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.⁹ 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.¹⁰

Good Reasons For Hand Washing In Your Business

Increased employee satisfaction⁷

For only €5– €10 per year per employee
Business hygiene plan/estimated costs for consumables*

20% fewer days sick leave⁷

Nearly 50% less gastrointestinal infections⁸

65% less common colds⁸

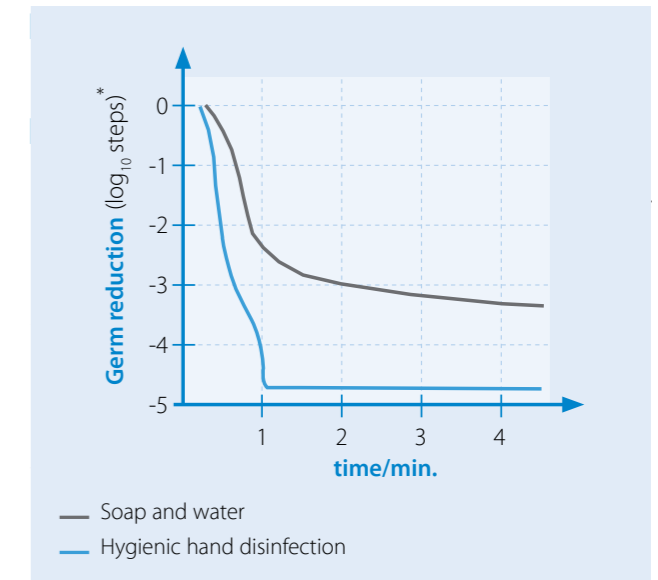
Icons: Euro symbol, microscope, hand washing, thumbs up.

* Does not include supply of equipment or technical systems

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:

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



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*[®] *care* and *desmanol*[®] *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.



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.³

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.⁴

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.⁵

COST/BENEFIT RATIO

Hand hygiene is one of the most cost-efficient ways of reducing infectious diseases and thus reducing absences due to sickness among employees.⁶ A number of studies have shown that the risk of contracting respiratory and gastrointestinal infections can be reduced by

❌ 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.¹¹

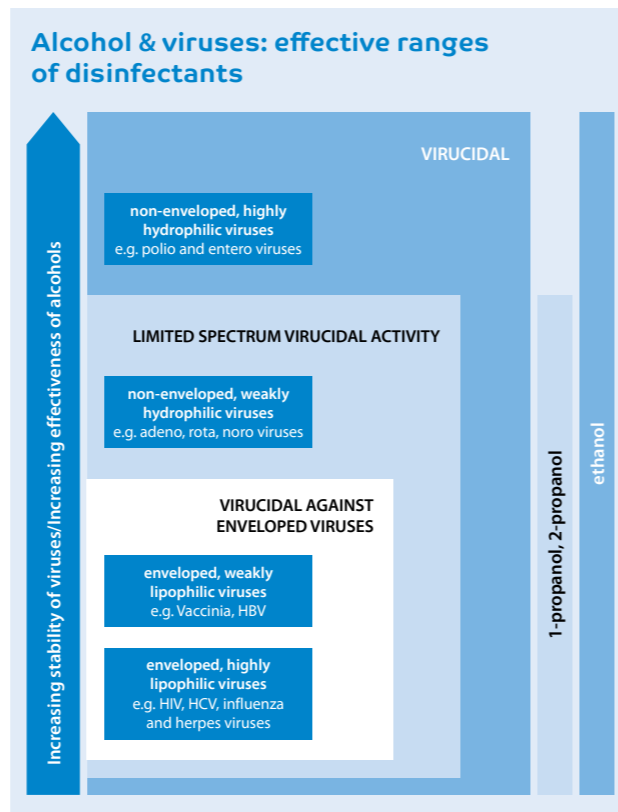
High-quality alcohol based products also have a practical advantage: the alcohol evaporates quickly after application. Your hands are dry and well cared-for thanks to the care substances. After using water-based products, hands stay moist much longer and sometimes feel sticky. Drying with a towel further 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.¹²

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 individual 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.¹³

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.¹⁴

Six steps for hygienic hand disinfection.



Hygienic hand disinfection:
Watch the video

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.¹⁵

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 an expectant mother or the child she is carrying 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.

Hand hygiene on the road

For some activities, a presence on site or a business trip cannot be replaced digitally. In order to be well protected in public, on business trips and on the road despite contacts and sources of contamination, hand disinfection in pocket format is a good idea. Carrying your “own” hand disinfection increases your well-being and gives you a good and safe feeling even when you are on the road.

This creates independence from less skin-compatible and lower-quality products that are made available to the public.



On surfaces: ready, steady, go!



When most people talk about preventing infection they usually have hand disinfection in mind. As explained in the previous chapter this is indeed one of the most effective hygiene measures.

Surfaces are the “hands” of a business. Door handles, light switches, touchscreens, keyboards and 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.¹⁶

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 shared workspace surfaces, break rooms or the cafeteria.

Regularly disinfecting surfaces is essential for reliably preventing indirect contact infections. *mikroqid® universal wipes* are particularly gentle on equipment – including touchscreens, displays, smartphones and tablets. Unlike most other surface wiping products, the *mikroqid® 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: *mikroqid® universal wipes*



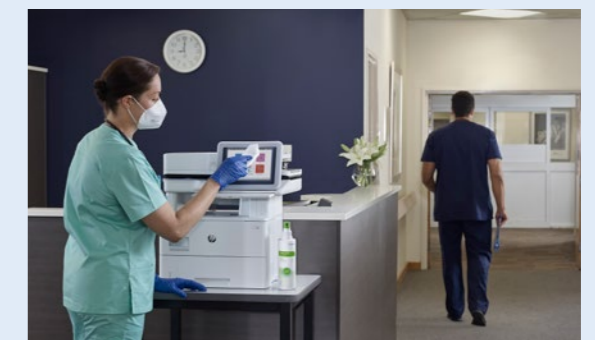
Notebooks, multifunction printers, workstations, displays and mobile computer devices are critical technology tools empowering micromobility for hybrid employees to successfully move, connect and collaborate in this new hybrid world of workspaces.

Numerous studies have found hazardous levels of pathogenic bacteria including *E. Coli* and *Staphylococcus aureus* on technology surfaces with higher bacterial loads on shared surfaces.¹⁷ In fact, keyboards and touchscreen displays have been shown to have up to 3,000 pathogenic bacteria per square inch – 9x more than a workplace toilet seat.¹⁸



75 healthcare setting studies showed all touchscreen displays, keyboards, and mice were contaminated with a variety of pathogenic bacteria including MRSA, *C. diff*, VRE and *E. Coli* ranging from a minimum of 24% up to 100% contamination. Particularly keyboards were shown for potential reservoirs of pathogens with studies showing a 96.7% contamination rate of keyboards sampled.¹⁹

The CDC recommends to clean and disinfect technology surfaces in patient settings and shared clinical areas at a minimum on a daily basis and more routinely for surfaces with uncertainty of multidrug resistant organisms (MDROs) with EPA registered hospital disinfectants.²⁰



Always at hand: Service and information material from schülke

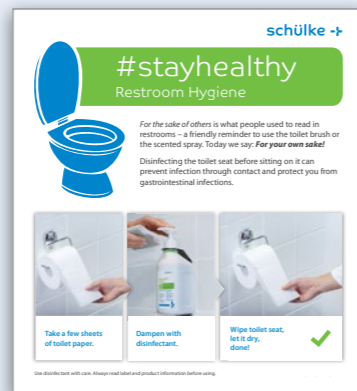
Work together. Protect each other. Expertise in hygiene – for over 130 years. We’ve seen it all and keep an eye on everything. We know the hygienic weak points of businesses, the legal requirements and the stumbling blocks in practical implementation. Together with you, we will find the best solution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



Protect your users and your electronic devices

Choosing the right disinfection products in combination with your IT equipment will protect you in two ways: It helps safeguard your users’ health and prevent damage to your valuable office electronics.

Using a disinfecting wipe is a simple and easy way to apply a disinfectant to select commercial HP devices or accessories after they have been cleaned. However, there are a few things to keep in mind when using a disinfectant wipe on an HP device:

Whitepaper “How to Disinfect Your HP Device”



Not all wipes are the same:

Wipes made by different manufacturers vary widely in ingredients, efficacy, quality, or saturation. While wipes may look the same, some of them may contain certain chemicals that can harm the device. Also, different wipe types of one brand contain different substances that can have different effects to the surfaces they are applied to.

Consequently, it is important to only use wipes that are proven to pose low risk to your devices – and to your related investments. To make it easy and safe for you, HP and schülke work together to test wipes and devices and approve them for combined use.



Consult the “How to Disinfect Your HP Device Whitepaper” as a reference guide for more details.

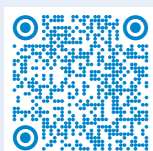
<https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>

To help maintain a healthy office environment, while still protecting your electronic devices, HP has developed a portfolio of select HP platforms that are designed to be cleaned and disinfected using **schülke mikrozid® universal wipes** up to 5,000 wipes.^{21, 24}

For environments with an extended risk of pathogen transmission (e. g. clinical settings, retail), HP has developed a portfolio of select PC devices that are designed to be disinfected using **schülke mikrozid® universal wipes** and **schülke mikrozid® AF hospital-grade germicidal wipes** up to 10,000 wipes^{22, 23}.



More information about infection prevention and hygiene you’ll find here: www.schuelke.com/intl-en



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. <https://www.schuelke.com/intl-en/about-us/schuelke-worldwide.php>

HP devices that can be cleaned and disinfected using select schülke wipes:

- ✓ schülke mikrozyd® universal wipes
- ✓ schülke mikrozyd® AF hospital-grade germicidal wipes
- ✓ schülke mikrozyd® PAA hospital-grade germicidal wipes



Desktops, All-in-Ones, Peripherals

- HP Elite 800 Series G9 Desktops
- HP Elite Displays
- HP EliteOne 800 G9 series all-in-one desktop PCs
- HP keyboards and mice

Your device can be wiped down repeatedly with common household cleaning wipes.²¹



Notebooks

- HP EliteBook 800 Series G9
- HP EliteBook 805 Series G9
- HP EliteBook 1000 Series G9
- HP EliteBook Dragonfly
- HP Elite Dragonfly Chromebook

Your device can be wiped down repeatedly with common household cleaning wipes.²¹

Select models are disinfectable with germicidal wipes up to 10,000 cycles.²³



Z by HP

- HP Z Desktops
- HP Z ZBooks

Your device can be wiped down repeatedly with common household cleaning wipes.²¹

Select models are disinfectable with germicidal wipes up to 10,000 cycles.²³



Thin Clients

- HP t640 Thin Client
- HP mt46 Mobile Thin Client

Select models are disinfectable with germicidal wipes up to 10,000 cycles.²³



HP Engage

- All-in-one: HP Engage One Pro, HP Engage One Essential
- Mobile / convertible: HP Engage Go 10
- Modular / Desktop: HP Engage Flex Mini, HP Engage Flex Pro / Pro-C
- Peripherals: hubs, stands, mounts

Your devices are disinfectable with hospital-grade germicidal wipes.²²



HP LaserJet Printers, MFPs and HP Workpath CleanMe App*

- HP LaserJet Enterprise printers and MFPs
- HP LaserJet Managed printers and MFPs

Select HP models (HP LaserJet Enterprise 400, 500, 600 and 700/800 Series, HP LaserJet Managed Series) can be cleaned and disinfected up to 5,000 cycles with mikrozyd® universal wipes.²⁴

* Available on HP Workpath enabled print platforms.



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

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

Approved products for select HP devices



mikrozid® universal wipes premium

Material-friendly rapid cleaning and disinfection wipes ideal for environmental and technology surfaces in hybrid and non-hybrid workspace environments, impregnated with a low-alcoholic solution.



- ✓ Bactericidal
- ✓ Levurocidal
- ✓ Fungicidal
- ✓ Limited spectrum virucidal activity

Our plus

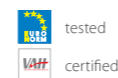
- Good material compatibility with select HP PC & Print platforms^{21,22,23, 24}
 - ✓ Desktops, All-in-Ones, Peripherals
 - ✓ Notebooks
 - ✓ Thin Clients
 - ✓ Z Desktops, ZBooks
- Rapid effect (Noro 30 sec)
- Effective according to EN 16615 (4-field test) in 1 minute
- Dermatologically tested
- High quality and big wipes
- Colourant and fragrance free
- Outstanding cleaning performance

Package size

Softpack with 100 premium wipes (other size available)

BAuA Reg.-Nr.: N-63300 / N-63301

Listings:



mikrozid® AF wipes

Rapid biocidal disinfection wipes ideal for medical devices, environmental and technology surfaces in healthcare, retail and school environments.



- ✓ Bactericidal
- ✓ Tuberculocidal
- ✓ Levurocidal
- ✓ Fungicidal
- ✓ Limited spectrum virucidal activity
- ✓ Norovirus (MNV)

Our plus

- Good material compatibility with select HP PC & Print platforms^{22,23,25,26}
 - ✓ Notebooks
 - ✓ Thin Clients
 - ✓ Z Desktops, ZBooks
- Very broad biocidal activity within the shortest possible time
- Dries rapidly without leaving smears
- Aldehyde-free
- Good wetting properties

Package size

Softpack with 50 premium wipes
Dose Jumbo with 220 wipes
Dose with 150 wipes

BAuA Reg.-Nr.: N-40580

Listings:



mikrozid® PAA wipes

Alcohol-based rapid disinfectant for medical devices and other surfaces.



- ✓ Bactericidal
- ✓ Tuberculocidal
- ✓ Levurocidal
- ✓ Fungicidal
- ✓ Limited spectrum virucidal activity
- ✓ Norovirus (MNV)

Our plus

- Good material compatibility with select HP PC & Print platforms^{22,23,25,26}
 - ✓ Notebooks
 - ✓ Thin Clients
 - ✓ Z Desktops, ZBooks
- Sporocidal effectiveness
- Can be used immediately – no activation required
- Approved for TEE probes*

Package size

Dose with 50 wipes

BAuA Reg.-Nr.: N-50007 (PT2), N-50008 (PT4)

Listings:



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

* These approvals are restricted to specific product families. Detailed information is available from schülke Application Department.

Additional products recommended for your office hygiene

mikrozid® AF liquid

Alcohol-based rapid disinfectant for medical devices and other surfaces.



- ✓ Bactericidal
- ✓ Tuberculocidal
- ✓ Levurocidal
- ✓ Fungicidal
- ✓ Limited spectrum virucidal activity
- ✓ Norovirus (MNV)

Our plus

- Please use with gloves only very broad biocidal activity within the shortest possible time
 - Dries rapidly without leaving smears
 - Aldehyde-free
 - Good wetting properties
- Note: Do not spray directly onto hardware. Always use a tissue.

Package size

250 ml aerosol bottle (other size available)

BAuA Reg.-Nr.: N-40579

Listings:



- ✓ Bactericidal
- ✓ Levurocidal
- ✓ Limited spectrum virucidal activity
- ✓ Virucidal
- ✓ Norovirus (MNV)

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
- Free of residual active substances

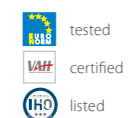
Note: Not to be used on HP devices.

Package size

100 ml pocket bottle
500 ml hyclick® dispenser bottle

BAuA Reg.-Nr.: N-84378

Listings:



octenisept® gel

For acute wounds and slight burns, as well as sunburn and itching.



Our plus

- Moistens and protects the wound
- Therefore promoting the healing process
- No burning during application
- Alleviates itching
- With octenidine, which inactivates germs in the gel and thus builds a protective barrier against entering germs

Note: Not to be used on HP devices.

Package size

20 ml tube

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

Application aids



wall mount softpack | premium

Wall mount for mikrozid® softpacks.

Our plus

- Suitable for all mikrozid® wipes softpacks
- Robust stainless steel wall mount
- Prepared drilling holes for the montage on a wall

Package size

Measurements (H x W x D)
130 x 200 x 90 mm



hyclick®
system



hyclick®

Dispenser suitable for 500 ml 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

Package size

hyclick® dispenser Vario
500 ml / 1000 ml
hyclick® 500 ml-adapter drip-plate
Wall mount



hyclick®
system



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

Package size

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



Sources and Disclaimers

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- 21 Select household wipes can be safely used to clean HP Elite and Workstation PCs up to 1,000 wipes. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Disinfect Your HP Device Whitepaper (<http://h20195.www.2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>). Not applicable to HP Elite c1030 Chromebook.
- 22 HP has tested select HP Engage Systems and HP Healthcare Edition MFPs to withstand 10,000 cycles of wiping using germicidal wipes commonly found in clinical settings. These select products were tested for use in settings where extensive wiping is needed including clinical and retail environments. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Disinfect Your HP Device Whitepaper (<http://h20195.www.2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>).
- 23 Select HP products (HP EliteBook 8xx G7, G8, G9, HP ZBook Create and Studio G7 and G8, HP ZBook Firefly 14/15 G7, G8, G9 and HP mt46 Mobile Thin Client) have been tested to simulate up to 10,000 wipes with germicidal towelettes over a 3-year period. See user guide for cleaning instructions. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Disinfect Your HP Device Whitepaper (<http://h20195.www.2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>).
- 24 Select HP products (HP LaserJet Enterprise 400, 500, 600 and 700/800 Series. HP LaserJet Managed Series) have been tested to simulate up to 5,000 wipes with germicidal towelettes on control panel display, external surfaces, and keyboard over a three-year period. Tested germicidal towelettes include schülke mikrozid® universal wipes. Repeated use of these germicidal wipes may cause some cosmetic changes to the product. Chemical composition is subject to change. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for Print devices Cleaning & Disinfection Guide (<https://h20195.www.2.hp.com/v2/GetDocument.aspx?docname=4AA7-8533ENW>).
- 25 HP HEALTHCARE Edition Print devices are equipped with at least one set of sterilizable, disinfectable drapes (made of VMQ silicone). In addition to the cleaning and disinfection guidance previously detailed, these drapes can be removed, immersed in soap and water or a recommended disinfectant solution (please refer to recommended Healthcare Edition for Print cleaning formulas in the user guide). For further sterilization purposes, these drapes can be exposed to Hydrogen Peroxide Vapour (HPV). Also, the drapes are sterilizable in an autoclave or thermo disinfectant at temperatures up to 134 °C (270 °F). HP recommends that the drapes be replaced after 200 sterilization cycles in an autoclave. Please contact your HP representative for replacement drapes when necessary. Approved and tested cleaning and disinfectant formulas for VMQ silicone-based drapes covering surfaces for HP HEALTHCARE Edition for Print include: Chlorine based, up to 100,000 ppm (10%) bleach content; Formaldehyde
- 26 Select Healthcare Edition Multifunction Printers (HP LaserJet Managed Series) have been tested to simulate up to 10,000 wipes with germicidal towelettes on control panel display, and healthcare keyboard over a three-year period. Tested germicidal towelettes include: schülke mikrozid® universal wipes, schülke mikrozid® AF wipes, schülke mikrozid® PAA wipes. Repeated use of these germicidal wipes may cause some cosmetic changes to the product. Chemical composition is subject to change. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for Healthcare Edition Print devices "Disinfection & Sterilization Guide" (<https://h20195.www.2.hp.com/v2/GetDocument.aspx?docname=4AA7-8533ENW>).

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.

Tuberculocidal

Tuberculosis (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.

Fungicidal

Due to the comprehensive spectrum of their activity, fungicidal products with additional efficacy against all fungi (incl. yeast & mold fungi such as *Aspergillus brasiliensis*) and their spores can eliminate the need for a changeover of products in response to seasonal differences in the occurrence of fungicidal pathogens.

Levurocidal

A range of products that have proven efficacy against yeast (e.g. *Candida albicans*).

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.

Limited spectrum virucidal activity

The term „limited virucidal PLUS“ refers to the range of action that includes preparations that have proven efficacy against some non-enveloped viral pathogens such as noro-, rota- and adenoviruses. Noroviruses, rotaviruses and adenoviruses are the epidemiologically most common infectious agents in the medical sector. In addition, limited spectrum virucidal efficacy also includes enveloped viruses such as the so-called „blood-borne viruses“ (e.g. HIV, HBV, HCV). Due to their comprehensive efficacy products with limited spectrum virucidal activity do not have to be changed because of seasonal differences.

Norovirus

Noroviruses 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 norovirus effectiveness (test virus: Murine norovirus, MNV).



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