

Hand Hygiene in Focus.
MICROSHIELD® Family of Products.



➤ Optimal hand hygiene protects from invisible risks.

More than a century of competence in preservation and hygiene ...



1889 |
Foundation of the company by Rudolf Schülke & Julius Mayr in Hamburg.
Presentation of the first ever branded disinfectant in the world – lysol®



1892 |
Successful combating of the Hamburg cholera epidemic with lysol®

For over 125 years, our company philosophy has been centred around one concept: hygiene.



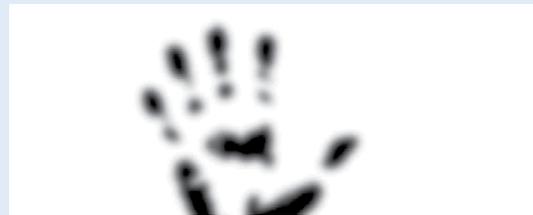
Today, we welcome MICROSHIELD®, a brand with over 25 years experience serving customers in hand hygiene, to the schülke family.

We are a chemical and pharmaceutical company. Our mission is to protect people and materials against infections and contamination before they emerge. After focusing on pathogens and the hazards they present for over 125 years, we can safely say that we have hygiene expertise in our genes. We aim to find the right solution to every microbiological challenge.

Micro-organisms are essential to life - a natural part of our environment. They exist naturally in our environment without being visible. Mankind has harnessed them to our benefit, for example in the production of foodstuffs. But other micro-organisms known as germs may be harmful, causing infections and contamination.

Today, more than ever, germs cross borders. Their existence is dangerous, but not as dangerous as underestimating their threat to people and material. Counter-measures deal more with treating the symptoms rather than fighting the causes. Precautions are therefore key.

In the everyday business of healthcare, no instrument is more in focus than the human hand.



According to the state of current knowledge, hands represent the greatest risk for the transmission of disease pathogens. The WHO (World Health Organization), VAH (Association for Applied Hygiene, registered association) and RKI (Robert Koch Institute) also consider hands to be the number one source for the spread of hospital acquired infections, in addition to others.

Professional hand hygiene is therefore one of the most important preventive measures for the protection of personnel and patients. Correctly performed hand hygiene reduces contamination with pathogens up to 99.9 %.

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1892 | Schülke & Mayr GmbH issues its own series of postage stamps for the export business in German East Africa



1913 | Market launch of sagrotan®, the world's first household disinfectant.

1920 | Introduction of a disinfectant to combat tuberculosis pathogens

Routine Wash

A routine or social wash is often considered a hand or body wash with plain soap or liquid skin cleanser that does not contain any added antimicrobial agents.

These type of skin cleansers aid in the physical removal of dirt, organic material and some micro-organisms from the skin with mechanical action eg. rubbing of the hands. This is then followed by thorough rinsing to wash away the debris and drying.



MICROSHIELD® Skincare Cleanser

A gentle skin cleanser suitable for sensitive skin and frequent hand washing.

MICROSHIELD® Skincare Cleanser is a pH balanced skin cleanser developed for frequent hand washing and cleansing. It is suitable for whole body washing, and for sensitive and aging skin and is commonly found in patient bathrooms/showers, clinical sinks and areas of high frequency hand washing.

- pH balanced
- Enriched with emollient and moisturiser
- Removes and replaces excessive and spent oils
- Compatible with the acid mantle of healthy skin

Application areas

Suitable for hand washing, bathing and showering

Instructions for use

Hand washing:

Wet hands. Apply product and wash as usual. Rinse thoroughly and dry.

Body washing and showering:

Wet body. Apply product. Rinse thoroughly and dry.

Baby bathing:

Add 3.5-7ml to warm bath water. Work up a gentle foam.

Special advice

Always read the label and use only as directed.

- Do not mix with detergents and other chemicals.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD Skincare Cleanser 500ml	12/Carton	70000372
MICROSHIELD Skincare Cleanser 1.5L	6/Carton	70000363
MICROSHIELD Skincare Cleanser 5L	2/Carton	70000347

*Not all products displayed are available for sale in your country.

More than a century of competence in preservation and hygiene ...



1924 |
First chemical-technical preservative for glues: grotan®

1950 |
Introduction of an antiviral disinfectant



1960 |
Introduction of parmetol® preservatives for paints, glues, etc.

1965 |
First aldehyde-based disinfectant

Skin Care

With an area of about two square meters, skin is the largest organ of the human body and the most visible. It is not only the outer covering which holds the body together, the skin also fulfills a large number of tasks including acting as a protective barrier to external irritants and penetration of micro-organisms.

To keep healthy, the skin must remain intact, that is, its barrier function must not be compromised. The use of skin moisturisers and lotions can help to maintain skin integrity as well as improving the condition of the skin.



MICROSHIELD® Moisturising Lotion

Softens and conditions to keep skin feeling soft and smooth.

MICROSHIELD® Moisturising Lotion conditions and moisturises the skin to keep it soft and smooth. It quickly absorbs and penetrates the skin without leaving an oily or greasy residue.

- Enriched with amino acids and vitamin E
- Absorbs quickly into the skin
- Compatible with hand wash products containing chlorhexidine gluconate

Application areas

Suitable for use on hands, elbows and dry skin areas.
Use between hand washes to help maintain skin integrity.

Instructions for use

Apply an adequate amount of moisturising lotion to the hands and thoroughly massage into skin. Repeat as necessary to keep skin soft and smooth.

Special advice

Always read the label and use only as directed.

- For external use only.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD Moisturising Lotion 500ml	12/Carton	70000358
MICROSHIELD Moisturising Lotion 1.5L	6/Carton	70000359

1970 |

First patented preservative for water-based emulsion paints: parmetol® A 23



1975 |

gigasept® – the first HBV-effective disinfectant



1976 |

Introduction of grotamar 71®, a biocide for diesel fuels



1978 |

Introduction of first preservative for cosmetics: euxyl® K 100

Alcohol Based Rubs

WHO and CDC guidelines recommend that an Alcohol Based Hand Rub (ABHR) should be the preferred means for routine hand antisepsis if hands are not visibly soiled, otherwise hand washing with a skin cleanser and water should be performed.

ABHR's are an effective and convenient way to rapidly disinfect hands and are playing an increasingly important role in hand hygiene compliance in healthcare facilities.



MICROSHIELD® Handrub Solution

Active ingredients: 70% v/v Ethanol and 0.5% w/v Chlorhexidine Gluconate.

MICROSHIELD® Handrub Solution is used undiluted to rapidly disinfect the hands. Easy and convenient to use, a popular choice for those who prefer a liquid alcohol based hand rub. Available in 125ml and 500ml.

- Kills bacteria without water
- Broad spectrum, fast acting
- Enriched with emollient and moisturiser

Application areas

- Indicated for rapid hand disinfection
- Suitable for use before and after every patient contact and in between hand washes.

Instructions for use

Use undiluted. Dispense sufficient MICROSHIELD® Handrub to thoroughly wet the surface of both hands. Allow to dry without wiping.

For soiled hands, wash with MICROSHIELD® Skincare Cleanser or Handwash (or equivalent) before using.

Microbiological efficacy

Application area	Concentration	Contact time
Hygienic handwash, EN1500	ready to use	30 sec.

Product data

Contains Chlorhexidine Gluconate 0.5% w/v in 70% v/v Ethanol.

Special advice

Always read the label and use only as directed.

- For external use only. Do not swallow.
- Flammable. Keep away from fire or flame.
- Avoid contact with eyes. In case of eye contact, immediately flush with water.
- Discontinue use if skin irritation or redness develops.
- Do not mix with detergents and other chemicals.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD Handrub Solution 500ml	12/Carton	70000367
MICROSHIELD Handrub Solution 125ml	48/Carton	70000366

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MICROSHIELD ANGEL BLUE®

Who thought hand hygiene could feel this good?

It's often the small things that make a big difference. MICROSHIELD ANGEL BLUE® keeps your hands feeling soft, smooth and hydrated without leaving a sticky residue. It is specially formulated to care for your skin even after frequent and repeated use, so your hands can stay refreshed. Available in 3 convenient sizes - 75ml, 125ml and 500ml.

- Hygienic hand rub
- Kills bacteria without water
- pH balanced
- Enriched with emollient and moisturiser

Application areas

- Indicated for rapid hand disinfection
- Suitable for use before and after every patient contact and in between hand washes.

Instructions for use

Onto clean dry hands, apply 3ml or enough product to thoroughly wet hands ensuring all areas are covered. Rub for 30 seconds and allow to dry. For soiled hands, wash with MICROSHIELD® Skincare Cleanser or Handwash (or equivalent and water before using.

Microbiological efficacy

Application area	Concentration	Contact time
Hygienic handwash, EN1500	ready to use	30 sec

Product data

Contains 70% v/v absolute ethanol.

Special advice

Always read the label and use only as directed.

- For external use only. Avoid contact with eyes.
- In case of contact, immediately flush eyes with water.
- Discontinue use if skin irritation or redness develop.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD ANGEL BLUE Antimicrobial Hand Gel 500ml	12/Carton	70000379
MICROSHIELD ANGEL BLUE Antimicrobial Hand Gel 125ml	48/Carton	70000378
MICROSHIELD ANGEL BLUE Antimicrobial Hand Gel 75ml	48/Carton	70000377



1991 | Introduction of sensiva® SC 50, a skin care additive and deodorant active



1991/92 | Introduction of aldehyde-free disinfectants, e. g. terralin® and lysotel® AF



1996 | Schülke & Mayr GmbH becomes a subsidiary of the Air Liquide Group

Hygienic Handwash

Hygienic hand washes contain an antiseptic agent or active ingredient at a concentration sufficient to inactivate micro-organisms or suppress their growth. MICROSIELD® has two hygienic hand washes available in this category in a range of sizes.



MICROSIELD® 2 Chlorhexidine Skin Cleanser

Active ingredient: 2% w/v Chlorhexidine Gluconate

MICROSIELD® 2 Chlorhexidine Skin Cleanser is a hygienic hand wash indicated for use in antimicrobial hand washing, preoperative body washing and showering. It is commonly used at clinical sinks and in patient bathrooms for showering.

- Enriched with emollient and moisturiser
- Topical antiseptic solution
- Available in three pack sizes

Application areas

- For antimicrobial hand washing
- Pre and postoperative body washing and showering

Instructions for use

Use undiluted.

Antimicrobial Hand washing:

Deliver 5ml onto wet hands. Wash for 30 seconds. Rinse thoroughly and dry.

Body Washing and Showering:

Wet body. Deliver sufficient product to work up a lather. Wash as usual, avoiding the ears and eyes. Rinse thoroughly and dry.

Product data

Contains Chlorhexidine Gluconate 2% w/v (equivalent to Chlorhexidine 11.3g/L) and Tartrazine.

Special advice

Always read the label and use only as directed.

- For external use only.
- Do not mix with detergents or other chemicals.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSIELD 2 Chlorhexidine Skin Cleanser 500ml	12/Carton	70000365
MICROSIELD 2 Chlorhexidine Skin Cleanser 1.5L	6/Carton	70000361
MICROSIELD 2 Chlorhexidine Skin Cleanser 5L	2/Carton	70000351

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MICROSHIELD® T Triclosan Skin Cleanser

Active ingredient: Triclosan 1.0% w/w

MICROSHIELD® T Triclosan is a hygienic hand wash with antimicrobial activity. pH balanced, it may be used prior to patient procedures such as catheter insertion and wound dressing changes. Available in 125ml, 500ml, 1.5L and 5L.

- Enriched with emollient and moisturiser
- Topical antibacterial solution
- pH balanced

Application areas

- For antibacterial hand washing

Instructions for use

Use undiluted. Deliver 5ml onto wet hands. Wash for 30 seconds. Rinse thoroughly and dry.

Product data

Contains Triclosan 1.0% w/w

Special advice

Always read the label and use only as directed.

- For external use only.
- Keep out of eyes and ears.
- Do not mix with detergents or other chemicals.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD Triclosan Skin Cleanser 125ml	48/Carton	70000355
MICROSHIELD Triclosan Skin Cleanser 500ml	12/Carton	70000356
MICROSHIELD Triclosan Skin Cleanser 1.5L	6/Carton	70000354
MICROSHIELD Triclosan Skin Cleanser 5L	2/Carton	70000357



2000 |
Market launch of grotan® OX,
a new biocide for coolants



2004 |
Introduction of euxyl® PE 9010, based on
Phenoxyethanol and Ethylhexylglycerin



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

Surgical Scrub

Surgical scrubs or surgical hand washes are used by the surgical team in preparation for an intra-operative procedure. The primary goal of surgical hand scrubbing or preparation is to eliminate transient flora, reduce resident skin flora and inhibit the growth of bacteria under the gloved hand for the duration of the surgical procedure.

MICROSHIELD® Surgical scrub formulations include Chlorhexidine gluconate (4% CHG) and Povidone Iodine (PVP-I).



MICROSHIELD® 4 Chlorhexidine Surgical Handwash

Active ingredient: 4% w/v Chlorhexidine Gluconate

MICROSHIELD® 4 Chlorhexidine Surgical Handwash has been formulated to meet the standards of a surgical hand scrub.

- Topical antiseptic solution
- Suitable for surgical hand washing
- Enriched with emollient and moisturiser

Application areas

- For antibacterial hand washing and surgical hand washing
- For body washing and showering

Instructions for use

Use undiluted.

Antibacterial hand washing:

Deliver 5ml of product into wet hands. Wash for 30 seconds. Rinse thoroughly and dry.

Surgical hand washing:

Repeat above wash for 2 minutes. Scrub. Rinse thoroughly and dry with a sterile towel.

Body washing and showering:

Wet body. Deliver sufficient product to work up a lather. Wash as usual. Rinse thoroughly and dry.

Product data

Contains Chlorhexidine Gluconate 4% w/v (equivalent to Chlorhexidine 22.5g/L)

Special advice

Always read the label and use only as directed.

- For external use only. Do not swallow.
- Do not mix with detergents or other chemicals.
- Do not use after the expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD 4 Chlorhexidine Surgical Handwash 500ml	12/Carton	70000364
MICROSHIELD 4 Chlorhexidine Surgical Handwash 1.5L	6/Carton	70000360
MICROSHIELD 4 Chlorhexidine Surgical Handwash 5L	2/Carton	70000350

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MICROSHIELD® PVP Povidone-Iodine Surgical Handwash

Active ingredient: 7.5% w/v Povidone-Iodine

MICROSHIELD® PVP POVIDONE-IODINE is used undiluted for antibacterial hand washing and surgical hand washing.

- Broad spectrum antimicrobial surgical hand wash
- Topical antiseptic solution
- With emollient and moisturiser

Application areas

- For antibacterial hand washing and surgical hand washing
- For pre-operative body washing and showering

Instructions for use

Use undiluted.

Antibacterial hand washing:

Deliver 3.5ml of solution onto wet hands. Wash for 30 seconds. Rinse thoroughly and dry.

Surgical hand washing:

Repeat above wash 2 minutes. Scrub. Rinse thoroughly and dry with a sterile towel.

Pre-operative body washing or showering:

Wet body. Deliver sufficient product to work up a lather. Wash as usual. Rinse and dry thoroughly.

Product data

Contains Povidone-Iodine 7.5% equivalent to 0.75% w/v available iodine

Special advice

Always read the label and use only as directed.

- Contraindicated in cases of known iodine sensitivity.
- For external use only. Keep out of eyes and ears.
- If skin rash occurs, discontinue use immediately.
- Do not mix with detergents or other chemicals.
- Do not use after expiry date.

Information for ordering

Item	Delivery form	Item no.
MICROSHIELD PVP Povidone-Iodine Surgical Handwash 500ml	12/Carton	70000370
MICROSHIELD PVP Povidone-Iodine Surgical Handwash 1.5L	6/Carton	70000371





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