HARTMANN

Very good skin tolerance. Moisturizes skin.
Dries quickly.
Effective against enveloped viruses and most common bacteria within 30 seconds.
Virucidal within 1 minute.

Sterillium® Gel

Rub-in hand disinfectant for hygienic and surgical hand disinfection which provides excellent skin care.

Research for infection protection. www.bode-science-center.com

Handdisinfection

Sterillium® Gel

Product properties

- comprehensive spectrum of activity
- exceptionally good skin tolerance even with long-term use
- excellent skin protection and skin care properties
- cares with a unique system of skin moisturizers

Composition

Active ingredient in 100g:
Ethanol 85 g
Other Ingredients: Aqua, cyclomethicone, glycerin, tetrahydroxypropyl ethylenediamine, isohexadecane, acrylates/C 10 – 30 alkyl acrylate crosspolymer, parfum, PVP, myristyl alcohol, bisabolol, benzyl salicylate, hexyl cinnamal, butylphenyl methyl-propional, hydroxyisohexyl 3-cyclohexene carboxaldehyde.

Microbiology

- bactericidal
- yeasticidal
- fungicidal
- tuberculocidal
- mycobactericidal
- virucidal against enveloped viruses (incl. HBV, HIV, HCV)
- virucidal

Areas of application

Alcohol-based hand disinfection, which can be carried out anywhere, independently of a washbasin and water.
Sterillium® Gel is suitable for hygienic and surgical hand disinfection. The preparation is used in all areas where hygiene is important, e.g.

- on wards (incl. sanitation areas)
- in functional areas (operating theatres, intensive care units, infection departments)
- in treatment rooms and out-patient departments
- in ambulances
- in laboratories, domestic services departments, by cleaning services
- in medical practices of all disciplines
- in retirement homes
- in the home-care of patients
- in home dialysis
- in industry (e.g. pharmaceutical, cosmetic)

Directions for use

Sterillium® Gel is rubbed undiluted into the dry hands; be sure that the hands are completely covered during the application time. Keep special attention to fingertips and thumbs.
The product should be applied with an easy-to-use dispenser which is ideally elbow-operated. For these dispensers, BODE offers single use product containers for most hygienic preconditions.

- hygienic hand disinfection: 30 seconds
- surgical hand disinfection: 1.5 minutes

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

Compatibility with care products

The efficacy of Sterillium® Gel is not influenced by the prior use of selected BODE hand care products.

- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan® balm or Baktolan® lotion

The prior use of Sterillium® Gel does not or not significantly interfere with the durability of the most common single-use glove materials such as latex, nitrile and vinyl.

Compliance depends on dermal tolerance of hand disinfectants

The effectiveness of hand hygiene measures, and with it, the prevention of hospital-acquired infection crucially depends on good compliance with hand hygiene guidelines. However, with healthcare workers being required to use hand disinfectants many times during the day, compliance is very much determined by products that are gentle on the skin.

Increase in skin hydration

Increasing evidence is supporting the benefit of alcohols in comparison with non-medicated soap or antiseptic soaps. Some gels (e.g. Sterillium® Gel pure) significantly increase skin hydration after repetitive use and so help to enhance compliance with hand hygiene among healthcare workers (1).

Alcohol-based hand disinfectants with positive effects on the skin have long been a need for caregivers. It has been proven that a well-formulated alcohol-based hand gel containing skin-nourishing substances does not have any irritating or sensitising effect. On the contrary, with repeated use, it can actually enhance the skin moisture content significantly compared to untreated skin (1).
When selecting hand hygiene products it is therefore imperative to not only consider efficacy data and moderate prices, but also the personnel's acceptance to overcome common barriers to low compliance.

1 Kampf G, Muscatiello M, Häntschel D, Rudolf M. Dermal tolerance and effect on skin hydration of a new ethanol-based hand gel. Journal of Hospital Infection 2002; 52:297-301

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Proven efficacy

Bacteria and fungi			
EN Phase 2 / Step 2	Efficacy according to EN Phase 2 / Step 2 (Practical tests)	Hygienic Hand Disinfection (EN 1500)	30 sec.
		Surgical Hand Disinfection (EN 12791)	1.5 min.
EN Phase 2 / Step 1	Appraised efficacy according to EN Phase 2 / Step 1 (suspension tests)	Bactericidal (EN 13727)	15 sec.
		Yeasticidal (EN 13624)	15 sec.
		Fungicidal (EN 13624)	30 sec.
		Mycobactericidal (EN 14348)	15 sec.
		Tuberculocidal (EN 14348)	15 sec.
EN Phase 1	Appraisal according to EN Phase 1 (basic tests / suspension tets) without contamination; does not define the applicability of a product for a specific purpose	Bactericidal (EN 1040)	30 sec.
		Yeasticidal (EN 1275)	30 sec.
		Fungicidal (EN 1275)	30 sec.
VAH	Certified Application Recommendations for Hygienic Hand Disinfection from the Association for Applied Hygiene (VAH). Based on suspension and practical tests.	Bactericidal / Yeasticidal	30 sec.
	Certified Application Recommendations for Surgical Hand Disinfection from the VAH. Based on suspension and practical tests.	Bactericidal / Yeasticidal	1.5 min.
DGHM	Appraised efficacy against bacteria (in accordance with the German Society of Hygiene and Microbiology [DGHM]); within the certified bactericidal efficacy	Antibiotic-resistant bacteria	15 sec.
Viruses			
EN Phase 2 / Step 1	Efficacy according to EN Phase 2 / Step 1 (suspension tests)	Virucidal (prEN 14476, 2011)	1 min.
		Adenovirus (prEN 14476, 2011)	1 min.
		Poliovirus (prEN14476, 2011)	30 sec.
EN Phase 2 / Step 1	Efficacy according to EN Phase 2 / Step 1 (suspension tests – in accordance with EN)	Rhinovirus	30 sec.
		MNV	15 sec.
DVV	Efficacy against viruses (German Society for the Control of Viral Diseases [DVV])	Virucidal against enveloped viruses (incl. HBV, HIV, HCV)	30 sec.
DVV	Appraised efficacy against enveloped viruses (in accordance with DVV)	Influenza-A-Virus (avian)	15 sec.
		Influenza-A-Virus (human)	15 sec.
		Herpes simplex Virus Type 1 and Type 2	15 sec.
		SARS-CoV	30 sec.
DVV	Appraised efficacy against non-enveloped viruses (DVV)	Adenovirus	2 min.
		Polyomavirus	15 min.
		Poliovirus	3 min.
DVV	Appraised efficacy against non-enveloped viruses (in accordance with DVV)	MNV (in the presence of fecal suspension)	15 sec.
		Rotavirus	30 sec.

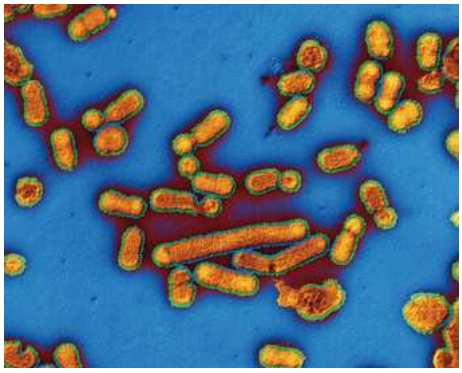
Chemical-physical data

- Appearance colourless
- Density (20 °C) approx. 0,82 g/cm ^{3}
- Flashpoint 17.1 °C (acc. to EN ISO 3679)

Stability

After opening

- in tightly closed container or with pre-installed pump, dosing pump, Eurodispenser 2, 3, 3000: 12 months
- other dispensers: 6 months



Publications

- Hygienic hand disinfection

G. Kampf, C. Ostermeyer:“ True assignment of alcohol-based gels between a simple hand wash and hygienic hand disinfection.” Jounal of Hospital Infection (2004) 56, S13-S15.

- Surgical hand disinfection

F. Barbut, L. Djamdjian, D. Neyme, C. Passot, J. P. : “Efficacy of 2 Alcohol-Based Gels and 1 Alcohol-Based Rinse for Surgical Hand Disinfection.” Infection control and hospital epidemiology (2007) , 28:1013-1015

- Microbiological activities

G. Kampf, M. Rudolf, J.-C. Labadie and S. P. Barrett: “Spectrum of antimicrobial activity and user acceptability of the hand disinfectant agent Sterillium Gel.” Journal of Hospital Infection
F. Barbut, E. Maury , L. Goldwirt, P. Boelle, D. Neyme, R. Aman, B. Rossi, G. Offenstadt :” Comparison of the antibacterial efficacy and acceptability of an alcohol-based hand rinse with two alcohol-based hand gels during routine patient care.” Journal of Hospital Infection (2007) 66, 167-173

- Skin tolerability

G. Kampf , M. Muscatiello , D. Häntschel, M. Rudolf: "Dermal tolerance and effect on skin hydration of new ethanol- based hand gel.” Journal of Hospital Infection (2002) 52: 297-301

Presentation

50 ml bottle, 100 ml bottle, 475 ml bottle,
475 ml bottle with mounted pump

Note: The recommendations regarding our preparations are based on scientific tests and are given in good faith. More detailed recommendations, e.g. regarding material compatibility, are possible only in separate, individual cases. Our recommendations are not binding and do not constitute a guarantee. They do not preclude a company's own testing for the intended purpose and process. In this respect we cannot accept any liability. This is in accordance with our general conditions of sale and supply.

Supported by comprehensive proofs of efficacy and scientific-based research and development, our hygiene and disinfection products ensure best possible quality.
Research for infection protection. www.bode-science-center.com

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For more product information visit
www.bode-chemie.com