Hygienic and surgical hand disinfection

The classic among rub-in hand disinfectants. Particular kind to skin and moisturising. Comprehensively active against enveloped viruses. For operating theatres and wards.
Sterillium®

Product properties
- possesses an excellent immediate effect
- provides very good residual effect
- excellent skin tolerability even with long-term use

Composition
100 g solution contain:
Active substances: Propan-2-ol 45.0 g, propan-1-ol 30.0 g, mecetronium etilsulfate 0.2 g.
Other ingredients: Glycerol 85 %, tetradecan-1-ol, fragrances, patent blue V 85 %, purified water.

Microbiology
Sterillium® is
- bactericidal (incl. listeria and salmonellae)
- fungicidal (Candida albicans)
- tuberculocidal (Mycobacterium terrae)
- virucidal against enveloped viruses (incl. HBV, HIV, HCV)
In addition, Sterillium® is active against adeno-, polyoma- (formerly papovavirus) and rotaviruses.

Compatibility with care products
Baktolan balm and Baktolan lotion do not interfere with Sterillium's activity.
- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan lotion.
- Hygienic hand disinfection acc. to EN 1500 after use of Baktolan balm.

Areas of application
Sterillium® is used as ready-to-use alcohol-based rub-in product – independently of water and washbasin – to prevent infection in all areas of health care and industry where hygiene is important as well as in home dialysis and when travelling. Areas of application in detail:

For hygienic and surgical disinfection:
- in inpatient facilities and functional areas such as operating theatres, intensive care units and infection departments
- in treatment rooms and outpatient departments
- in ambulances
- in laboratories
- in domestic services departments
- in hospital and canteen kitchens
- by emergency medical services
- in medical practices of all disciplines
- in home care of patients, elderly, and babies
- in home dialysis

Directions for use and dosage
Sterillium® possesses a broad spectrum of activity. Use and dosage depends on the respective area of application:

| Hygienic hand disinfection:         | EN 1500 + DGHM | 30 s          |
| Surgical hand disinfection:        | EN 12791 + DGHM| 1.5 min       |
| Skin disinfection                  |                |
| Prior to injections and punctures  | 15 s           |
| Prior to punctures of joints, body cavities, hollow organs and before surgical procedures | 1 min |
| Skin rich in sebaceous glands      | 10 min         |
| Bactericidal activity              |                |
| FDA microorganisms¹ (Time Kill Study) | 30 s          |
| MRSA                              | 30 s           |
| Listeria                          | 15 s           |
| Salmonellae                       | 15 s           |
| Yeasticidal activity              |                |
| C. albicans                       | 30 s           |
| Tuberculocidal activity           |                |
| M. terrae                         | 15 s           |
| Enveloped viruses                 |                |
| Virucidal against enveloped viruses (incl. HBV, HIV, HCV)² | 15 s |
| Vacciniaivirus + BVDV              | 15 s           |
| Herpes simplex virus (Type 1+2)    | 15 s           |
| Avian influenza A-virus            | 15 s           |
| Human influenza A-virus            | 15 s           |
| SARS-CoV                          | 30 s           |
| Nonenveloped viruses              |                |
| Adenovirus                        | 1 min          |
| Polyomavirus (formerly papovavirus) | 5 min         |
| Rotavirus                         | 15 s           |
| RKI list of disinfectants in accordance with § 18 of the Federal Law on the Prevention of Infectious Diseases in Humans (IfSG) |
| Effect area A (bacteria and fungi) | 30 s           |

¹ According to the requirements of the U.S. Food and Drug Administration (FDA) it concerns 59 clinically relevant bacterial strains: 13 gram-positive and 18 gram-negative bacterial strains (ATCC strains), 14 clinically relevant problem pathogens as well as isolates of each species.
² According to the RKI recommendation “Prüfung und Deklaration der Wirksamkeit von Desinfektionsmitteln gegen Viren” (Bundesgesundheitsbl – Gesundheitsforsch-Gesundheitsschutz, 2004, 47;82-86) it can be assumed that a product is active against all enveloped viruses in case its virucidal activity against enveloped viruses has been proven with the required tests with BVDV (surrogate virus for HVC) and vaccinia.
Hygienic hand disinfection


Surgical hand disinfection


Microbiological activities


Skin tolerability


Others

Sterillium®

Listing

- List of the Robert Koch-Institute (RKI), Effect area A
- List of disinfectants of the Association for Applied Hygiene (former DGHM list)

Chemical-physical data

- Appearance: transparent, light blue
- Density (20 °C): approx. 0.85 g/cm³
- pH-value 50 % (v/v): approx. 8.3
- Flashpoint (acc. to DIN 51755): 23 °C

Stability

- Unopened: 60 months
- After opening, in tightly closed container: 12 months
- In dispenser or with dosing pump: 6 months

Presentation

- 50 millilitre bottle, 100 millilitre bottle, 500 millilitre bottle, 1 litre bottle, 5 litre canister.

Possible decanting from 5 litre canisters into smaller containers must be carried out under aseptic conditions (clean bench). Containers used have to be processed appropriately before decanting and comprehensively labelled with clearly legible labels afterwards.

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.

08/10