

New study shows that a Swedish alcohol-free hand spray eliminates bacteria for 24 hours

A new study shows that a Swedish technique without the use of alcohol eliminates bacteria such as E. coli and MRSA on surfaces for 24 hours. It is also effective against viruses causing Covid-19 and Norovirus.

Since the public health authorities and the WHO began recommending hand hygiene as the best way to stop the spread of Covid-19, the demand for antibacterial products have skyrocketed. However, by cleaning your hands with alcoholic hand spray several times a day, it causes the skin to dry out, adding the risk of your skin to start to split. The alcohol-based hand sanitiser also causes another problem. The alcohol destroys the skin barrier and therefore damages our immune defence. Hygiene of Sweden, a Swedish company, has developed an alcohol-free hand spray that provides full protection without damaging your skin.

Efficacy remains for 24 hours

According to a new clinical study conducted in January this year, Hygiene of Sweden's hand spray can eliminate bacteria such as E. coli and MRSA on surfaces for 24 hours. The study, which was conducted by Bio Laboratories, an independent laboratory in the UK, shows that the hand spray protects the surface up to 99.99%, which is the highest possible measuring level one can achieve in the study.

A few other independent studies have also showed that the spray eliminates viruses such as Corona (Covid-19) and Norovirus (Calicivirus). Several tests have been conducted as per EN-standards to ensure that they are following laws and regulations, to prove how effective the product is in different environments.

Alcohol is only effective for seconds

The reason why Hygiene of Sweden's hand spray offers longer efficacy is because it's not alcohol-based. An alcohol-based hand spray kills bacteria and viruses by dissolving them. As alcohol evaporates in a normal atmosphere, the effectiveness only lasts between 10 - 15 seconds. Hygiene of Sweden's antibacterial solution is based on their own recipe that includes their own developed formula with BioPolymerPlus in combination with an active ingredient and lactic acid amongst other things.

The story behind the formula comes from the energy industry when treating micro-organisms in water cooling systems, which was developed by biochemist Philip Wilhelmsson, CEO of Hygiene of Sweden. This biopolymer does not evaporate, which means that it provides a longer lasting protection and prolonged battle against bacteria and viruses. This also means that the product does not put the same environmental strain as alcohol-based products, as it does not need to produce ethanol (alcohol), which is a carbon dioxide demanding process.

Another important factor is that alcohol is flammable and not suitable in environments such as work places, schools and airports. No dangerous transport, no risk of misuse due to the alcohol levels and bigger sanitising effect on surfaces are a few of the additional advantages.

Official Sponsor of the Swedish Cross-Country Ski Team

The antibacterial formula has been in high demand nationally and internationally. Hygiene of Sweden has for several years been co-operating with the Swedish athletics team and recently also became the official provider for the Swedish Cross-Country Ski Team.

- We are very pleased by the result from the study. We will now try and see if the formula is effective for seven days, says biochemist Philip Wilhelmsson, CEO of Hygiene of Sweden.

Hygiene of Sweden's products are sold in pharmacies amongst other places and are available as spray, hand foam and antibacterial wipes.

FACTS:

A complete and alcohol-free formula for both hands and surfaces, which is water-based and has a lower environmental impact than products that contain alcohol. Contains Aloe Vera and Vitamin B5. Protects against unwanted bacteria and keeps hands protected and soft. Clinical studies have been conducted where Hygiene of Sweden proves effective against bacteria, non-enveloped viruses and so called enveloped viruses (same virus types as Covid-19). A new study shows that the formula has efficacy against bacteria such as E. coli and MRSA on surfaces for 24 hours.

FACTS ABOUT HYGIENE OF SWEDEN:

Hygiene of Sweden develops and manufactures antibacterial solutions for hands and surfaces. Under the guiding by biochemist Philip Wilhelmsson, the company has developed unique solutions for sanitising spaces such as offices and shopping centres. The biggest market for Hygiene of Sweden today is the US, Russia, Asia and the Middle-East. The laboratory and the production is based in Landskrona and in Helsingborg. Currently the product is approved in 30 different countries and in Sweden it is registered with Kemikalieinspektionen since 2011.

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