

# Technical Data Sheet

SC003 / 16/10/2020



**Product Name**  
Sciin Force

**Product Code**  
SC003

## Material Textile

Oeko-tex certified, sustainable fabrics including Lyocell / Organic Cotton / Bamboo Viscose (GOTS certified) produced in a closed loop system) grown without the use of pesticides, herbicides or other chemical fertilisers.

## Fabric

Single layer, lightweight and breathable.

## Coating

Polygiene - ViralOff Antimicrobial and Antiviral Technology.



## Active Ingredient

Is a reaction mass of Titanium Dioxide and Silver Chloride. The reaction delivers silver ions in a very controlled way. This is not NANO technology.

The product is certified by Oeko-tex® Eco Passports and in the process of being certified by bluesign®. ECO PASSPORT by OEKO-TEX® is an independent certification system for chemicals, colourants and auxiliaries used in the textile and leather industry. During a multi-step process, OEKO-TEX analyse whether each individual ingredient in the chemical product meets the statutory requirements and that it is not harmful to human health. Both brands and manufacturers value the ECO PASSPORT as credible proof of sustainable textile production.

## Product description

Sciin Force is a re-usable, washable and sustainable snood style face covering with an applied ViralOff antimicrobial and antiviral technology to prevent the spread of infection. ViralOff is a treatment of textiles that stops viral activity through interaction with key proteins. It shows 99% reduction of many different viruses, including the SARS-CoV-2 virus, on treated fabric within a 2 hours timespan. The coating is normally applied to the fabric at the finishing stage of production. As several treatments can be simultaneously applied no additional water or energy is needed and the impact on the environment is reduced. Heart of technology started in 2003. A non nano silver based technology delivers silver ions in a controlled way. Active ingredient that works on all types of fabric, fibres and non wovens. Approved for PT2 PT9 BPR and EPA. The ingredient chemistry is manufactured in Germany with final use of resources and in accordance with strict environmental regulations.



Polygiene have tested the active ingredient against Influenza A, BirdFlu, Norovirus, Corona and SARS-CoV-2 over the years, and in all cases, we have achieved 99% levels of reduction.



BREATHABILITY



RECYCLABLE



SUSTAINABLE

## Antiviral Test Method

What Polygiene bring with the ISO18184:2019 standard is a test that can be made for any specific product for effect in the two hours timespan, where it has to reduce the virus over 99%, to pass. This test uses airborne viruses of the Influenza A strain including SARS-CoV-2. These viruses are used in the ISO test, but Polygiene can use more and other virus strains as they become readily available. There is no virus ViralOff cannot protect against, this technology offers pandemic sustainability. The ISO 18184:2019 is the only certified standard for antiviral products in use for textiles.



99% VIRAL REDUCTION



99% VIRAL REDUCTION IN 2 HOURS



ANTI MICROBIAL



ANTI VIRAL

## Applications

Sciin Force is a snood style face-covering with a protective coating designed to protect against airborne viruses.

## Reusability

You can hand-wash the mask for up to 15 washes. Maintaining 99% antiviral protection from new. 80% plus after 15 hand-washes. With Polygiene's antimicrobial properties, the technology prevents growth of microorganisms in the fibres (such as bacteria, fungi, and parasites) maintaining a cleaner fabric for longer, and the non-necessity for frequent washing. ViralOff is safe and has no detrimental effect on your skin nor interfere does it interfere with the skin's natural bacterial flora.

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## Care guidelines

We recommend hand-washing your mask for up to 15 washes.

Do not tumble dry as this will cause the material to shrink and damage the antiviral coating. Allow to air dry naturally.

To remove creases you can iron the product on a low settings (silk) making sure the logo is face down and no steam is used.

Keep your mask in a cool dry place when not in use and/or in the original packaging.



HAND WASH



DO NOT TUMBLE



IRON ON LOW

## Certifications

Registered safety supplier for the British Safety Industry Federation (BSiF).



## Disposal

Can be disposed in standard waste bin and is classed as a non hazardous product. Packaging is fully recyclable.

## Hazardous and Safety Information

Made from materials Generally Regarded As Safe.

## Company Details

SciIn, 8 Solopark House, Station Road, Pampisford,  
CB22 3HB, UK  
[www.sciinuk.com](http://www.sciinuk.com)

## Manufacturer details

Baltex UK, Burr Lane, Ilkeston, Derbys, DE7 5JD, UK  
[www.baltex.co.uk](http://www.baltex.co.uk)



## Coating Manufacturer HQ

Polygiene AB, Styrningsgatan 2, SE-211 18 Malmö, SWEDEN  
[www.polygiene.com](http://www.polygiene.com)



**Polygiene**<sup>®</sup>

## Certifications

Manufactured in the United Kingdom in an ISO 9001:2015,  
ISO 14001:2015 and OHSAS 18001:2007 certified plant.  
Certified STANDARD 100 by OEKO-TEX<sup>®</sup>.

