gloves

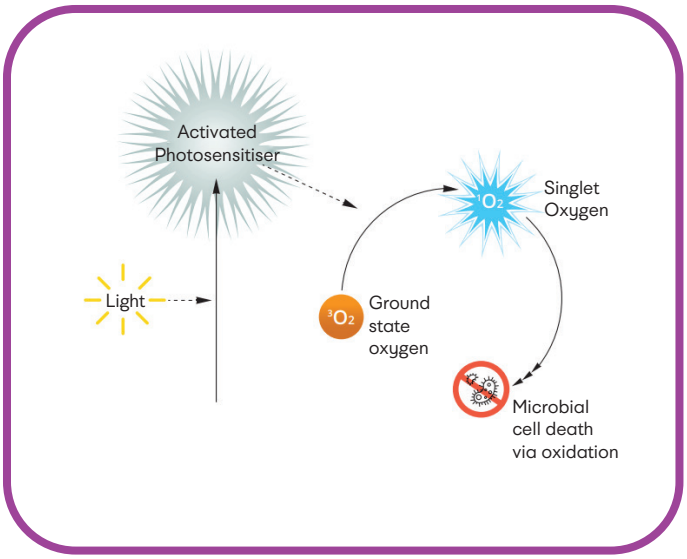
Antimicrobial Nitrile Examination Gloves SOFTcare Prime

What's different about these gloves?

SOFTcare PRIME antimicrobial nitrile gloves are the only gloves that do not simply provide passive protection but go one step further. The special composition incorporated into the outer surface of the glove kills a wide range of bacteria that settle on the gloves surface during the use.

How the antimicrobial action works?

The special composition that has been integrated into the outer surface of the glove, as soon as it comes into contact with light, releases singlet oxygen, quickly oxidizing the structures of the microbial cells, leading them to their death.



1. Once the photosensitizer is exposed to light, it converts the oxygen present in the air into singlet oxygen, an excited stated of the oxygen.

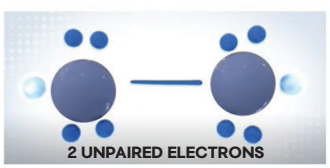
2. Singlet oxygen can oxidize and destroy the cell walls, proteins and lipids of bacteria and viruses, thus leading to cell to its death.

With the presence of light

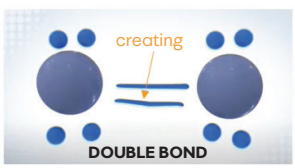
AMG™'s glove dye can absorb light energy

and transfer the energy to surrounding triplet oxygen molecule

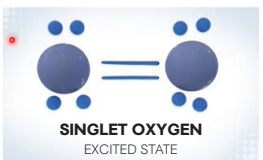
3. This highly reactive oxygen oxidizes the protein of the bacteria and leads to the death of the microbes.



Causing the 2 unpaired electrons



to create a double bond.



Thus, this transforms the ground state oxygen molecule into an excited state oxygen molecule called, Singlet oxygen

How long does the action lasts?

Once the glove is exposed to light, as long as there is air and light the glove will continue to work against germs.

Which bacteria do they kill?

From tests that have been done they are highly effective against a wide range of bacteria. Examples include the following, while the test report is available upon request.

Bactericidal Efficacy of Antimicrobial Gloves*

Type	Efficacy	Time
Human Coronavirus	99.26%	in 5 minutes
MRSA	99.988%	in 5 minutes
Staphylococcus aureus	99.989%	in 1 minute
Enterococcus faecium	99.991%	in 5 minutes
Enterococcus faecalis (VRE)	99.998%	in 1 minute
Streptococcus pyogenes	99.998%	in 1 minute
Klebsiella pneumoniae	96.471%	in 10 minutes
E-Coli	99.03%	in 15 minutes

For which industries are suitable for?

These gloves are a certified medical device product and can be used in all healthcare facilities, dentists, pharmaceutical industries, etc.

Are they suitable for food contact?

Although tests have been carried out in Germany showing that they are safe to use, the glove is not officially certified for food contact, as it was created primarily for medical use to help prevent the transmission of hospital-acquired infections.
It is undoubtedly the first choice for use in medical and clinical environments.

Are they suitable for use by dentists?

Of course. In fact, during the dental disinfection process, before root canal treatments, the same singlet oxygen technology is used. The same substance is used to rinse the patient's mouth to kill bacteria using the dental lamp that activates it.
The gloves are certified for medical use and come with all the necessary instructions based on the legislation on medical devices.

Can these gloves cause allergic reactions?

Nitrile gloves are very well tolerated by people with allergies. The special composition is only on the outer surface of the glove, so it does not comes into contact with the person wearing the glove. In general, in all gloves, Components used in making gloves may cause allergic reactions, in case of such reaction discontinue use and consult your doctor.

And what about the surfaces that come in contact with the glove?

Thanks to the composition of the gloves the special coating is not transferred during contact (non-leach technology).

Basic specifications:

CE Comply to MDD 93/42/EEC Medical Device Class I	In-line with the European legislation for medical devices
EN 455 part 1, 2, 3, 4	Certifies the adequate level of protection for medical use
	Powder-free
	Latex-free
	Textured fingertips for firm grip and superior tactile sensitivity
	The special composition remains stable on the surface of the glove and does not transfer to other surfaces
	Single-use
	Ambidextrous
1.5 AQL	Acceptable quality limit in-line with the requirements for medical devices
NON STERILE	Non sterile
	Complete instructions for use and safety in 4 languages

- Beaded cuff
- Pieces per package: **100**
- Available sizes: **XS** | **S** | **M** | **L** | **XL**