

List of surface disinfectants against SARS-CoV-2

SARS-CoV-2 is sensitive to most detergents and disinfectants. Below is a list of some disinfectants with a very good compromise between viricidal action, compatibility with surface materials and safety for personnel.

ACTIF COMPOUND	PRECAUTIONS/RISKS	INCOMPATIBILITY	EXAMPLES	NOTE
Alcohols	<ul style="list-style-type: none"> ■ Flammable, volatile ■ Protect your eyes and do not breathe aerosolized solutions. 	Do not use in combination with other disinfectants.	Ethanol 70%	The presence of water is essential for the biocidal activity (70% V/V solution often used).
			Meliseptol Rapid	Exists in different formulations (spray, wipes,...) <ul style="list-style-type: none"> ■ Do not treat sensitive surfaces such as Plexiglas.
Oxidants	<ul style="list-style-type: none"> ■ Irritant. Protect your eyes, wear gloves and do not breathe aerosolized solutions 	Do not use in combination with other disinfectants.	Sanitizer Surfaces ^{SI} (Activated hydrogen peroxide solution)	Exists in different formulations (spray, wipes,...)
			Virkon	<ul style="list-style-type: none"> ■ In solution, Virkon is stable for about a week. ■ May cause damage to metal surfaces if exposed for prolonged periods of time (>10 minutes).
Quaternary ammonium	<ul style="list-style-type: none"> ■ Possible hypersensitivity reaction ■ Protect your eyes, wear gloves and do not breathe aerosolized solutions 	Do not use with anionic compounds (ex: soap)	Biocidal ZF	Slower biocidal action. Leave on surface without wiping afterwards. For this reason, it is not recommended for surface that will be in direct contact with the skin.

General information

- Spray the chosen product on the surfaces/objects to be treated. Let the product act*. Ensure complete wetting. If necessary, remove excess preparation with a disposable paper towel.
- On objects that are sensitive to high humidity (e.g. electronic equipment), as alternative to spraying, you can soak disposable paper towels with the chosen product and rub several times the object to be decontaminated. For some products (see note in the table), ready-to-use wipes are commercially available.

*The time of action depends on the type of disinfectant. In general it is recommended a period between 1-5 minutes.

Based on the literature, quaternary ammonium has a slower action time. If used, leave on without wiping afterwards.