

# COVID-19 SUMMARY GUIDANCE #7

## Cleaning and disinfection management

### Viability of SARS-CoV-2 on aerosols and different surfaces

Type of surface / aerosol	Viability	Half-life (hours)
Aerosols	Up to 3 hours	1.1-1.2
Stainless steel	Up to 72 hours	5.6
Cardboard/paper	Up to 24 hours	3.46
Plastic	Up to 72 hours	6.8
Copper	Up to 4 hours	0.7

Source: Neeltje van Doremalen, 2020

### Disinfectants or disinfection methods for commonly contaminated objects

SARS-CoV-2 is sensitive to:

- Ultraviolet radiation
- Heat (56°C for 30 minutes)
- Disinfectants (for one minute):
  - Ether
  - Ethanol (62-75%)
  - Hydrogen peroxide 0.5%
  - Sodium hypochlorite 0.1%
  - Other chlorine-containing disinfectants
  - Peracetic acid
  - Chloroform
  - (Chlorhexidine could not effectively inactivate SARS-CoV-2)

### Recommended applications

**Hands:** Soap and water, alcohol-containing quick-drying hand disinfectant, chlorine-containing disinfectant, hydrogen peroxide

**Skin:** 0.5% iodine-based disinfectant, hydrogen peroxide

**Mucosa:** 0.05% iodine-based disinfectant