

Guidelines

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Environmental Cleaning 
 Guidelines

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Interim Guidelines for Environmental Cleaning and Disinfection of Areas Exposed to Confirmed Case(s) of COVID-19 in Non-Healthcare Premises

Interim Guidelines for Environmental Cleaning and Disinfection in Residences That May Be Exposed to the COVID-19 Virus

Interim Guidelines for Environmental Cleaning and Disinfection of Premises With Transient Exposure to Confirmed Cases(s) of the COVID-19

Interim List of Household Products and Active Ingredients for Disinfection of the COVID-19 Virus

First Released on 25 January 2020

Revised on 16 March 2020

This document provides guidance by the Ministry of Health (MOH) and the National Environment Agency (NEA), of Singapore, to assist owners or operators of non-healthcare premises to carry out environmental cleaning, for areas exposed to confirmed case(s) of Coronavirus Diseases (COVID-19) in non-healthcare premises.

This will apply to premises where a confirmed case has resided or has been present for a substantial period of time.

For areas with only transient exposure to confirmed cases, please refer to the "Interim Guidelines for Environmental Cleaning and Disinfection of Areas With Transient Exposure to Confirmed Case(s) of COVID-19".

This is an interim guidance, as transmission dynamics for the COVID-19 are yet to be fully determined. This document has been adapted from guidance documents from the Ministry of Health (MOH), Singapore¹ and the World Health Organisation (WHO)².

A. Cleaning agents and disinfectants

1. As the virus can survive on surfaces of different materials for at least 2 to 3

Advisories	▼	days, surfaces potentially contaminated with novel coronavirus should be sanitised.
SG Clean		2. An appropriate disinfectant with indication of effectiveness against coronaviruses can be used. Disinfectants should be prepared and applied in accordance with the manufacturer's recommendation. Ensure that appropriate contact time is given before removing any disinfected materials. Please refer to the "Interim List of Household Products and Active Ingredients for Disinfection of COVID-19 Virus" for a list of disinfectants that can be used.
Vox	▼	
Frequently Asked Questions		3. Bleach can be used as a disinfectant for cleaning and disinfection (dilute 1 part bleach in 49 parts water, 1000 ppm or according to manufacturer's instructions). Bleach solutions should be prepared fresh. Leaving the bleach solution for a contact time of at least 10 minutes is recommended.
Posters	▼	
Videos		4. Alcohol can be used to wipe down surfaces where the use of bleach is not suitable, e.g. metal.
Social Feed		

B. Personal Protective Equipment (PPE) to wear while carrying out cleaning and disinfection works

1. Wear disposable gloves, disposable long-sleeved gowns, eye goggles or a face shield, and an N95 mask.
2. Avoid touching the nose and mouth (goggles may help as they will prevent hands from touching eyes).
3. Gloves should be removed and discarded if they become soiled or damaged, and a new pair worn.
4. All other disposable PPE should be removed and discarded after cleaning activities are completed. Eye goggles, if used, should be disinfected after each use, according to the manufacturer's instructions.
5. When in doubt, refer to guidance documents for the proper donning and doffing of PPE³.
6. Hands should be washed with soap and water immediately after each piece of PPE is removed, following completion of cleaning.

N.B.: Masks are effective if worn according to instructions and properly fitted. Masks should be discarded and changed if they become physically damaged.

C. Cleaning guidelines for areas exposed to confirmed case(s) of COVID-19 in non-healthcare premises

1. Where possible, seal off areas where the confirmed case has visited, before carrying out cleaning and disinfection of the contaminated environmental surfaces. This is to prevent unsuspecting persons from being exposed to those surfaces.
2. When cleaning areas where a confirmed case has been, cleaning crews should be attired in suitable PPE (see Section B above). Gloves should be removed and discarded if they become soiled or damaged, and a new pair worn. All other disposable PPE should be removed and discarded, after

cleaning activities are completed. Goggles, if used, should be disinfected after each use, according to manufacturer's instructions. Hands should be washed with soap and water immediately after the PPE is removed.

3. Keep cleaning equipment to a minimum.

4. Keep windows open for ventilation, where workers are using disinfectants.

5. Mop floor with disinfectant or the prepared bleach solution.

6. Wipe all frequently touched areas (e.g. lift buttons, hand rails, doorknobs, arm rests, seat backs, tables, air/ light controls, keyboards, switches, etc.) and toilet surfaces with chemical disinfectants (use according to manufacturer's instructions) and allow to air dry. Bleach solution (dilute 1 part bleach in 49 parts water, 1000 ppm or according to manufacturer's instructions) can be used. Alcohol (e.g. isopropyl 70% or ethyl alcohol 70%) can be used for surfaces, where the use of bleach is not suitable.

7. Clean toilets, including the toilet bowl and accessible surfaces in the toilet with disinfectant or bleach solution.

8. Wipe down all accessible surfaces of walls as well as blinds with disinfectant or bleach solution.

9. Remove curtains/ fabrics/ quilts for washing, preferably using the hot water cycle. For hot-water laundry cycles, wash with detergent or disinfectant in water at 70°C for at least 25 minutes. If low-temperature (i.e. less than 70°C) laundry cycles are used, choose a chemical that is suitable for low-temperature washing when used at the proper concentration.

10. Arrange for a cleaning contractor to properly disinfect the mattresses, pillows, cushions or carpets that have been used by the person who has been confirmed to have the COVID-19.

11. Repeat mopping the floor with the prepared disinfectant or bleach solution.

12. Discard cleaning equipment made of cloths and absorbent materials, e.g. mop head and wiping cloths, into biohazard bags after cleaning and disinfecting each area. Wear a new pair of gloves and fasten the double-bagged biohazard bag with a cable tie.

13. Disinfect non-porous cleaning equipment used in one room, before using for other rooms. If possible, keep the disinfecting equipment separated from other routine equipment.

14. Disinfect buckets by soaking in disinfectant or bleach solution, or rinse in hot water before filling.

15. Discard equipment made of cloths/ absorbent materials (e.g. mop head and wiping cloths) after cleaning each area, to prevent cross contamination.

16. Disinfectant or bleach solution should be applied to surfaces using a damp cloth. They should not be applied to surfaces using a spray pack, as coverage is uncertain and spraying may promote the production of aerosols. The creation of aerosols caused by splashing liquid during cleaning should be avoided. A steady sweeping motion should be used when cleaning either floors or horizontal surfaces, to prevent the creation of aerosols or splashing.

Cleaning methods that might aerosolize infectious material, such as the use of compressed air, must not be used.

16. Leave the disinfected area, and avoid using the area the next day.

17. Biohazard bags should be properly disposed of⁴, upon completion of the disinfection work.

D. Precautions to take after completing the clean-up and disinfection of the affected area

1. Cleaning crews should wash their hands with soap and water immediately after removing the PPE, and when cleaning and disinfection work is completed.
2. Discard all used PPE in a double-bagged biohazard bag, which should then be securely sealed and labelled.
3. The crew should be aware of the symptoms, and should report to their occupational health service if they develop symptoms.

E. List of companies that can carry out disinfection works

If you are not able to adhere to the suggested disinfection methods above, you may wish to consider engaging the following companies to carry out disinfection works:

1 Plus Private Limited (Whissh)
Email: contact@whissh.com.sg
Website: <https://whissh.com.sg/>
Hotline: [6221 8626](tel:62218626)

Bestway Cleaning Services Pte Ltd
Email: bestway1@singnet.com.sg
Hotline: [6562 0369](tel:65620369)

Anticimex Pest Management Pte Ltd
Email: sales.sg@anticimex.com.sg
Website: <https://www.anticimex.com.sg/>
Hotline: [9383 1166](tel:93831166)

Excelcare Property Maintenance
Email: epm@excelcare.com.sg
Hotline: [9798 0820](tel:97980820)

Anergy Building Services Pte Ltd
Email: sales@anergy.com.sg
Hotline: [6738 4989](tel:67384989)

Art of Cleaning Pte Ltd
Email: sales@artofcleaning.com.sg
Website: www.artofcleaning.com.sg
Hotline: [9886 0178](tel:98860178)

ACMS Facilities Management Pte Ltd
Email: sales@acmsfacilities.com.sg
Website: www.acmsfacilities.com.sg
Hotline: [6363 2230](tel:63632230)

Aras Development Pte Ltd
Email: enquiries@arasgrp.com
Hotline: [6782 2140](tel:67822140)

Avon Cleaning Services Pte Ltd
Email: disinfect@avongroup.com.sg
Hotline: [6591 8886](tel:65918886)

Bernice Management Pte Ltd
Email: enquire@bernicemgmt.com
Hotline: [9119 7321](tel:91197321)

Big Red Pte Ltd
Email: charn@bigred.com.sg
Website: <https://www.bigred.com.sg>
Hotline: [6241 9443](tel:62419443)

Conrad Maintenance Services Pte.
Ltd.
Email: sales@conrad.sg
Hotline: [6561 8992](tel:65618992)

Clean Lab Pte Ltd
Email: hello@cleanlab.com.sg
Website: www.cleanlab.com.sg
Hotline: [6741 1522](tel:67411522)

CBM Pte Ltd
Email: douglas@cbm.com.sg
Website:
<https://www.cbm.com.sg/cleaning>

Chye Thiam Maintenance Pte Ltd
Email: feedback@chyethiam.com
Hotline: [6281 8866](tel:62818866)

COSEM Safety and Security
Services Pte Ltd
Email: Khairul@cosem.org.sg
Website: <http://www.cosem.org.sg>
Mobile: [8298 8242](tel:82988242)

CSP Maintenance Pte Ltd
Website: www.cspmaintenance.com
Hotline: [6570 0138](tel:65700138)

Duyen Cleaning Services Pte Ltd
Email:
admin@duyencleaningservices.com
Hotline: [8818 8368](tel:88188368) / [8618 8812](tel:86188812)

Data Clean Asia Pte Ltd
Email: sales@datacleanasia.com
Website:
<https://www.dataclean.com/asia/index.htm>
Hotline: [6748 5377](tel:67485377)

Day & Night Services Pte Ltd
Email:
sales@dayandnightservices.com.sg
Website:
www.dayandnightservices.com.sg
Hotline: [6834 4468](tel:68344468)

Fourways Pte Ltd
Email: admin@fourways.com.sg
Hotline: [6746 2833](tel:67462833)

Lifeline Cleaning Pte Ltd
Email:
sales@lifelinecleaning.com.sg
Website:
www.lifelinecleaning.com.sg
Hotline: [6443 0943](tel:64430943)

Day & Night Services Pte Ltd
Email: sales@dayandnightservices.com.sg
Website: www.dayandnightservices.com.sg
Hotline: [6834 4468](tel:68344468)

Grace Hospitality Services Pte Ltd
Email:
sales@gracehospitalityservices.sg
Website:
www.gracehospitalityservices.sg
Hotline: [6958 1599](tel:69581599)

Eng Leng Contractors Pte Ltd
Email: genbee_tee@engleng.com.sg
Hotline: [6250 4328](tel:62504328)

Jusclean Services
Email: info@sanondaf.sg
Website: www.sanondaf.sg
Hotline: [6286 9866](tel:62869866)

Kingston Services & Supply Pte Ltd
Email: kennykong@kingstonss.com.sg
Hotline: [6841 6048](tel:68416048)

Lumiair Pte Ltd
Email: sales@lumiair.com.sg
Website: www.lumiair.com.sg
Hotline: [8877 3311](tel:88773311)

Ramky Cleantech Services Pte Ltd
Email: contactus@ramky.com.sg
Hotline: [6876 5400](tel:68765400)

BNL Services Pte Ltd
Email: sales@bnl.sg
Hotline: [6786 7789](tel:67867789)

Dream Sparkle Pte Ltd
Email: dreamsparkle.pl@gmail.com
Website: <https://dream-sparkle.com/>
Hotline: [6358 3892](tel:63583892)

Ministry of Clean Pte Ltd
Email: moc@moc.sg
Website: www.moc.sg
Hotline: [6747 0444](tel:67470444)

Marvel Clean Pte Ltd
Email: thong@marvelclean.sg
Hotline: [9090 5850](tel:90905850)

Shiners Facilities Pte Ltd
Email: Poonam@shiners.com.sg
Hotline: [9877 7961](tel:98777961)

Sun City Maintenance Pte Ltd
Email: enquiry@sun-city.com.sg
Hotline: [6223 0022](tel:62230022) / [9144 0052](tel:91440052)

Clean Solutions Pte Ltd
Email: enquire@cleansolutions.com.sg
Hotline: [6471 0880](tel:64710880)

Cleaning Express Pte Ltd
Email: sales.sg.clex@atalianworld.com
Hotline: [6841 4498](tel:68414498)

Horsburgh Integrated Services Pte Ltd
Email: winson.soh@horsburgh.sg
Hotline: [6273 0223](tel:62730223)

Cleanmage Pte Ltd
Email: admin@cleanmage.com.sg
Hotline: [6515 8754](tel:65158754)

Servcare Services Pte Ltd
Email: admin@servcare.com.sg
Hotline: [6769 1600](tel:67691600)

Infocus Integrated Engineering Pte Ltd
Email: jonathan.xiao@infocusintegrated.com.sg
Hotline: 6250 2252

ISS Facility Services Pte Ltd
Email: sales.marketing@sg.issworld.com
Hotline: 6622 2712 / 6622 2790

Razor Solutions Pte Ltd
Website: www.successforever.com.sg
Hotline: 6752 2212

Renmekleen Services Pte Ltd
Email: enquiry@renmekleen.com.s
Hotline: 6377 0688

Sergent Services Pte Ltd
Email: enquiry@sergent.com.sg
Hotline: 6570 6733

Spic & Span Pte Ltd
Email: enquiry@snsproperties.asia
Hotline: 6737 8919

TSM Group Pte Ltd
Email: info@tsmgpl.com
Website: www.tsmgpl.com
Hotline: 6253 1793 / 9129 3544

Weishen Industrial Services Pte Ltd
Email: felix_chen@weishen.com.sg
Hotline: 9026 2509

UEMS Solutions
Email: zhang.qiang@uemsgroup.com
Hotline: 6818 3600

UTXO Enterprises
Email: sales@utxoenterprises.com
Website: <https://www.utxoenterprises.com/>
Hotline: 9725 5825

LS 2 Services Pte Ltd
Email: enquiry@LS2.sg
Hotline: 6281 1843

Cleen First Services Pte Ltd
Email: cleenfirst@singnet.com.sg
Hotline: 6763 7449

* The list is for reference only and is non-exhaustive. NEA neither endorses the companies, nor the views they express or the products/services they offer.

¹ Ministry of Health, Singapore. (2014). [MOH Pandemic Readiness and Response Plan for Influenza and other Acute Respiratory Diseases](#)

² World Health Organization. (2019). Infection Prevention and Control during Health Care when Novel Coronavirus (nCoV) Infection is Suspected. [WHO/2019-nCoV/IPC/v2020.1](#)

³ World Health Organization. (2008). How to Put On and Take Off Personal Protective Equipment. Retrieved from World Health Organization website: https://www.who.int/csr/resources/publications/PPE_EN_A1sl.pdf

⁴ Refer to the list of licensed biohazard waste collectors: <https://www.nea.gov.sg/our-services/pollution-control/hazardous-waste/toxic-waste-control>

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