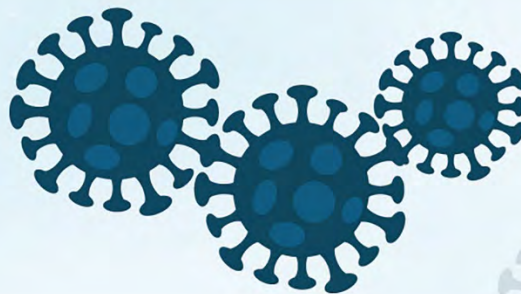


COVID - 19

Novel Coronavirus



1 CAD AIR DIVISION SURGEON COVID- 19 INFO: RCAF AIRCRAFT DISINFECTION

Status:	Current	OPI:	PMed
Approval:	1 Canadian Air Division Surgeon	Effective date:	1 April 2020
File Name:	6675-1 CAD PMed Air Div Surg COVID- 19 RCAF Aircraft Disinfection	Last Reviewed:	7 April 2020

References: A. Canadian Air Division Order Vol 6-206 Aircraft Disinfection

http://rcaf.mil.ca/assets/RCAF_Intranet/docs/en/1-CAD/CADO/volume-6.pdf

B. Decontamination Procedures of RCAF 8 Wing Aircraft – COVID-19, 24 CF H Svcs C, Trenton, STANDARD OPERATING PROCEDURES, effective date 13 Mar 20, last amended 26 Mar 20 (attached pdf)

C. Public Health Agency of Canada, Environmental Sanitation Practices to Control the Spread of Novel Coronavirus on Aircraft used for Canadian Repatriation – February 2020 (Attached pdf)

D. Calla 1452, <https://zipchem.com/Pages/optional-backgrounds/c1452.htm#Phys>

E. AeroDis 7127, <https://zipchem.com/Pages/optional-backgrounds/tds/AeroDis%207127-Rev20065B.pdf>

F. Noviruclean A-3471, <https://orapiasia.com/wp-content/uploads/noviruclean-tds.pdf>

G. Government of Canada, Hard-surface disinfectants and hand sanitizers (COVID-19): List of hard-surface disinfectants, <https://www.canada.ca/en/health-canada/services/drugs-health-products/disinfectants/covid-19/list.html>

- 1. RCAF AIRCRAFT SANITATION AND DISINFECTION:** Required following identification of a person aboard the aircraft who meets the infection screening criteria for that of COVID-19, or following transport of infected patient(s). This includes the cleaning and disinfection of contaminated areas and potential surface areas which individual(s) may have been in contact with, including peripheral areas within the aircraft where individual(s) may have been seated/occupying (Refs A & B).
- 2. APPROVED RCAF AIRCRAFT DISINFECTANTS:** Disinfectant uses, advantages, and disadvantages are at Ref A Annex A. The order does not identify or recommend a specific brand or manufacturer but states the approved active ingredients for disinfection products. Follow the manufacturer's instructions for the recommended dilution rates, contact times and conditions specific to the surface (Ref C).

Disinfectant products must also be compatible for the specific type of aircraft and must be validated prior to use by the appropriate Technical Airworthiness Authority. Viricidal disinfectant active ingredients approved for use in CAF aircraft are:

- a. Accelerated hydrogen peroxide 0.5%;
- b. Sodium hypochlorite 0.525% solution (produced locally by diluting 1 part standard 5.25% -household bleach with 9 parts water); and
- c. Quaternary ammonia compounds approved as hospital disinfectants (Ref A).

3. **DISINFECTANT PRODUCTS COMMERCIAL NAMES:** The following commercial products are approved for disinfection and meet airworthiness requirements many RCAF aircraft: Calla 1452, AeroDis 7127 and Noviruclean A-3471 (Ref C-E). The product recommended by USAF is to disinfect aircraft for COVID-19 is Calla 1452 which is an ammonia based aircraft disinfectant. The GoC list of Hard-surface disinfectants and hand sanitizers for COVID-19 is at Ref F. **Disinfectant products must also be compatible for use on the specific type of aircraft and must be validated prior to use (Technical Airworthiness).**

4. **RCAF AIRCRAFT DISINFECTANT PROCEDURE:** Ref B provides guidance for aircraft disinfection procedures. The document had been reviewed CF H Svcs Directorate of Force Health Protection and at 1 CAD PMed. Refs A and F also provide PPE requirements and disinfection procedures. The supporting Base/Wing Preventive Medicine Departments or 1 CAD Preventive Medicine can be contacted to address COVID-19 cleaning and disinfection concerns or questions.

5. **RCAF AIRCREW CLOTHING AND ALSE EQUIPMENT DISINFECTION:** In general the risk of COVID-19 contamination and transmission of RCAF aircrew clothing and ALSE equipment is very low. COVID-19 Coronaviruses (COVID 19) are enveloped viruses. This means they are one of the easiest viruses to kill with a disinfectant when used according to the label directions (ref C). In cases where there is high likelihood (grossly contaminated) materials clothing/linens had been contaminated, place possibly contaminated linens and clothing into a container with a plastic liner and do not shake. Most items can be washed with ordinary laundry detergent and hot water (60-90°C), and dry well. Clothing and linens suspected contaminated with COVID-19 and/or belonging to an ill person can be washed with regular laundry. The manufacturer's/LCMM's direction for detergent or disinfectant cleaning will suffice for cleaning and disinfection of ALSE equipment. For spot cleaning, a disinfectant (ref F) wipe or solution spray that will not damage aircrew clothing or ALSE equipment will be an acceptable measure to mitigate the presence of COVID-19. All hard surface and linen ALSE equipment is to be laundered disinfectant solution or wiped clean with the appropriate disinfectant wipe/solution approved by the applicable LCMM.

REFERENCES:

B. <https://divsurg.afod-pofa.com/DIVSURG/APP/COVID/AIRCRAFT-SANITATION-GUIDELINES.pdf>

C. <https://divsurg.afod-pofa.com/DIVSURG/APP/COVID/ PMED-SOP-DECONTAMINATION.pdf>