

DAHLGREN DECON COVID-19 GUIDANCE

This document is intended to provide guidance to agencies responding to the current COVID-19 emergency who choose to use Dahlgren Decon.

Dahlgren Decon is **not** a US EPA registered disinfectant. The US EPA has approved a list of previously registered disinfectants based on pre-existing data¹.

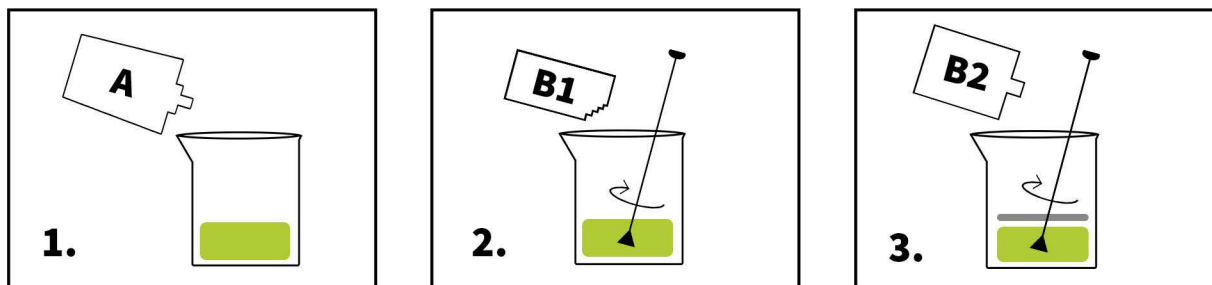
The active ingredient in Dahlgren Decon is 50,000 parts per million (ppm) Peracetic Acid (PAA). Peracetic acid, also known as peroxyacetic acid, is recommended by several organizations including the World Health Organization to destroy SARS-CoV-2, the virus that causes COVID-19.² Research indicates that peracetic acid at levels from 12 -2250 ppm (.0012-.225%) will kill viruses.³

- ¹ <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>
² <https://www.ncbi.nlm.nih.gov/books/NBK554776/>
³ <https://www.cdc.gov/infectioncontrol/guidelines/disinfection/sterilization/peracetic-acid.html>

NOTE: Wear appropriate PPE for the threat contamination and decontamination solution. Recommended PPE for applying Dahlgren Decon inside an enclosed space is a **P100** filtering facepiece respirator or greater, **ventless goggles**, and **nitrile gloves**.

Recommended PPE for dealing with SARS-CoV-2 (COVID-19 virus) includes the above with the addition of a biological hazard protection coverall.

STEP 1: Mix Dahlgren Decon according to instructions



1. Pour **Part A** into mixing beaker.
2. Mix in **Part B1**. Stir until no solid powder is observable at bottom. **DO NOT SHAKE.**
3. Mix in **Part B2**. Stir until no solid powder is observable at bottom. **DO NOT SHAKE.** Allow foaming reaction to settle.

STEP 2: Dilute Dahlgren to recommended ratio. To easily dilute to the recommended ratio for SARS-CoV-2:

- + In a 5-gallon bucket, add the mixed Dahlgren Decon.
- + Add the amount of water found in the table on the reverse side of this document and stir. Try to pour the water from another bucket instead of using a hose to avoid foam.

DAHLGREN DECON	WATER TO ADD	FINAL VOLUME
200 mL	.5 Gallons (2 liters)	.58 Gallons (2.2 liters)
22 Oz	1.7 Gallons (6.4 Liters)	1.9 Gallons (7.5 Liters)
1 Gallon	10 Gallons (38 Liters)	11 Gallons (42 Liters)

STEP 3: Pour diluted Dahlgren Decon into sprayer reservoir. You may use any available sprayer (including electrostatic, pressure, and hand-held trigger sprayers).

STEP 4: Use an absorbent wipe, preferably FiberTect, to blot and wipe away any visible contamination. This includes anything that you see that is wet, bodily fluids, and dirt.

- + WHY IT'S IMPORTANT: Other disinfectants may not perform well in the presence of dirt or other organic matter.

STEP 5: Spray the surface of the equipment, structure, or person in PPE to be decontaminated.

- + Do not spray too close or to the point of runoff. The application should be similar to spraying on spray paint. The goal is a thin even layer of decontamination solution.
- + Use overlapping passes.

STEP 6: For any sensitive equipment such as electronics that cannot be directly sprayed, saturate a heavy duty paper towel with the decontamination solution and wipe down the object.



STEP 7: Allow the decontamination solution to dwell. Dwell times can be found in the Decon Field Guide App. The dwell time for SARS-CoV-2 is 5 minutes based on all available data. Scan the QR Code to the left to access the Decon Field Guide.

STEP 8: Wipe all surfaces with a FiberTect wipe or absorbent wipe to remove residue. After the initial wipe, use damp paper towels to remove any remaining residue.

STEP 9: Properly bag and dispose of all waste. Decontaminate and doff PPE correctly.

Part A alone can be used as a highly effective soap in a traditional decontamination line. It may also have some effectiveness at destroying the virus, but should primarily be used to wash down a person or object.

To prepare Part A as a soap, simply add 10 gallons of water for each gallon of Part A surfactant concentrate and stir.