

TECHNICAL DATA SHEET

Callington 1-Shot Aircraft Insecticide Code 4508/150/CAN

Disinsection of Cargo Holds & Overnight Cabin Insect Treatment

DESCRIPTION

Callington 1-Shot Aircraft Insecticide is a non-flammable aircraft approved aerosol insecticide for use inside the aircraft cargo holds prior to departure. This product is used to prevent the spread of vector-borne diseases, such as Dengue Fever, Yellow Fever, Malaria, Chikungunya and Zika.

**For a complete video training guide on how to apply Callington 1-Shot Aircraft Insecticide please visit <https://www.callingtonhaven.com/videos/php>*

APPROVALS

Callington 1-Shot Aircraft Insecticide complies with the **World Health Organization** specifications for aircraft insecticides and has the following approvals:

- BSS7434, AMS 1450B
- Referenced on Airbus Consumable Material List: CML 11ABB2 and CML 11AADC1.
- USA EPA Reg. No. 83795-1.
- Health Canada Registration No. 35461 PEST CONTROL PRODUCTS ACT.
- NATO Stock Number: 6840-66-131-2263.
- CAGE Code: Z5104.
- APVMA Approval No: 50745/143000
- In compliance with IATA Medical manual & ICAO Annex 9.
- Complies with Ministries of Health & Agriculture, globally.
- Callington is an ISO 9001:2015 quality accredited company.

**FEATURES & BENEFITS:**

Aircraft approved Callington 1-Shot Aircraft Insecticide effectively kills mosquitoes. It is used for the disinsection of aircraft cargo holds in accordance with respective national Quarantine regulations.

Callington 1-Shot Aircraft Insecticide contains a non-flammable propellant, and the **World Health Organization** recommended active of 2% w/w permethrin and 2% w/w d-phenothrin.

APPLICATION:

Callington 1-Shot Aircraft Insecticide is to be used for cargo hold disinsection at the last port prior to departure.

**This product is only to be sold and used by an applicator licenced/certified by the province or territory in which the application occurs.*

DIRECTIONS FOR USE:

For use inside the cargo holds as a pre-departure method to kill mosquitos that may have entered the cargo holds. Suitable for use in all aircraft with cargo holds. Spraying must be carried out using the *Callington Delayed Release Device* after all cargo has been loaded (*EXCEPT small animals, if any) and just before the cargo hold is closed. Callington 1-Shot Aircraft Insecticide is a single-use product, which

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will fully discharge after activation by the *Callington Delayed Release Device*. Aerosols must be discharged into each cargo hold entirely (single shot) in such a manner as to ensure all parts of the cargo hold have been disinfected.

Spraying must be at a rate of:

- 40 g of formulation per 28 m³ for the lower cargo hold, and
- 15 g of formulation per 28 m³ for the upper cargo hold area of freighter aircraft.

**See note below on updates to Cargo spray rates from WHO.*

As the cargo hold door is being closed, leave just enough of an opening to stand the aerosol(s) between the cargo containers. Activate the aerosol following Use Instructions below. If more than one can is required, repeat this application method with additional cans. When the device has been activated, close the door from the outside of the aircraft immediately (the applicator must not be in the cargo hold during the application), leaving the cans in place to complete the disinfection process.

For freighter aircraft, if the cargo prohibits access to certain parts of the aircraft, position the aerosol cans evenly throughout the aircraft on top of the cargo. Activate the device and immediately exit the cargo hold. The applicator must not be in the cargo hold during application.

Once the *Callington Delayed Release Device* is activated, the aerosols will not discharge until 5 minutes have lapsed. It will take 2.5 minutes for a 150 g can to fully discharge.

**If small companion animals are to be loaded into the cargo hold, wait at least 22 minutes after activating the *Callington Delayed Release Device* before loading animals. Only open the hold enough to load animals and close it immediately afterwards to avoid recontamination.*

Once the aircraft has reached its destination, the exhausted cans are to be collected by ground handlers.

Use Instructions for the *Callington Delayed Release Device*:

- Pre-Use Checks: Inspect device for cracks or damage. Do not use if damaged. Verify usage count: Ensure device has been used fewer than three times. Battery check: Confirm two AA batteries are fresh and inserted correctly (flat end on spring).
- Personal Protection: Wear chemical resistant gloves. Ensure cargo area is sealed and unoccupied before actuation; leave area before release.
- Mounting the Canister: Release auto lock tab to pop up nozzle. Remove the front cover by pressing the buttons on each side. Insert aerosol can mounting cup under actuator. Close cover until latched.
- Activating Device: Switch On: Green LED flashes during 5-minute delay. Exit immediately and close cargo hold door.
- Emergency Shutdown: To abort before spray, switch OFF within 5 minutes.
- Post Use and Disposal: After spray, switch OFF, open cover, remove empty can. After 3 uses, dispose of device as e-waste and recycle batteries.

TECHNICAL DATA SHEET***Application rate as per WHO recommendations (2nd Edition – Nov. 2023):**

- Forward Hold and Aft Hold of commercial passenger or freighter aircraft: 140g/100m³.
- Main Deck Cargo of a freighter aircraft: 55g/100m³.

SPECIFICATIONS

- Active Ingredient: Permethrin at 2% w/w; d-Phenothrin at 2% w/w
- Discharge rate: 1.0 ± 0.2 g/s

ORDERING INFORMATION

Code	Product Description	Packaging	Units / Case
4508/150/CAN	Callington 1-Shot Aircraft Insecticide	150g	12
4508/DEV	Delayed Release Device for Callington 1-Shot Insecticide	1 each	12

REQUIREMENTS & VERIFICATION

For further information on quantities of aerosol cans per model of aircraft, please contact your Callington Sales Manager. The applicator is responsible for ensuring that a certificate detailing the hold treatment is completed. For compliance purposes, the applicator must record the product serial number, located on the underside of the can. The certificate for the hold disinsection and the exhausted or partly exhausted cans must be carried onboard the aircraft and made available to an officer/inspector on request upon arrival.

WARRANTY – All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility and they are offered solely for your consideration, investigation, and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent. Created 29 May 2019 Date Printed 27/01/2026 9:36 AM