

## TECHNICAL DATA SHEET

### PRE-SPRAY HFO

**Code 4501**

#### *Residual Aerosol Insecticide for Pre-embarkation Spraying of Aircraft Cabins*

##### DESCRIPTION

Callington Pre-Spray HFO Aircraft Insecticide is a non-flammable aircraft approved aerosol insecticide for use inside aircraft prior to embarkation of passengers. This product is used to prevent the spread of vector-borne diseases, such as Dengue Fever, Yellow Fever, Malaria, Chikungunya and Zika. It is also effective against a range of agricultural pests, which present a biosecurity risk.

Propellant: HFO 1234ze – GWP<1 according to AR6 from IPCC

##### APPROVALS

Callington Pre-Spray HFO Aircraft Insecticide complies with the **World Health Organisation** specifications for aircraft insecticides and has the following approvals.

- BSS 7434, AMS 1450
- Referenced on Airbus Consumable Material List: CML 11ABB2.
- NATO Stock Number: 6840-66-133-0081
- US Military NSN: 6840-01-675-2534
- CAGE Code: Z5104
- 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.



For a complete video training guide on how to apply Callington Pre-Spray HFO Aircraft Insecticide please visit our website on <https://www.callingtonhaven.com/videos.php>

##### ORDERING INFORMATION

Code	Size	Units /carton	Weight /carton (kg)	Carton Dimensions (cm)	Pallet Configurations				
					Cartons per layer	No. of layers	Dimensions (cm)	Height (cm)	Weight (kg)
4501/100	100g	12	1.9kg	22 x 17 x 15	25	6	90 x 110	103	360
4501/60	60g	100	8.8kg	36 x 36 x 13	6	8	90 x 110	118	440

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### ADDITIONAL INFORMATION

Aircraft approved Callington Pre-Spray HFO Aircraft Insecticide effectively kills mosquitoes and other flying or crawling insects. It is used for 'Pre-embarkation' spraying method in accordance with respective national Quarantine regulations. Callington Pre-Spray HFO Aircraft Insecticide contains a non-flammable propellant and the **World Health Organisation** recommended active substance of 2% w/w permethrin (25:75 isomer ratio). Pre-flight spraying is mandatory for all flights into many countries of the world including Australia and New Zealand.

### APPLICATION

Pre-embarkation spraying is to be carried out inside the empty aircraft cabin prior to passengers boarding at last port before departure for the destination country.

### TREATMENT PROCEDURE

- During disinsection and for a period of 5 minutes after the completion of the spray, the aircraft's air-conditioning must be switched off. Recirculation fans may be left on if essential to the operation of the aircraft but set at the lowest flow rate.
- Before commencing treatment, ensure all overhead and sidewall lockers are left **open**.
- Hold one can of Pre-Spray HFO and start spraying from the back of the aircraft, moving forward, keeping the can at arm's length.
- Direct the can to the **open** overhead lockers and ceiling, keeping a steady walking pace, no more than one step or one row per second.
- Once this side is complete, switch over to the other side of the aisle, spraying all the way until you reach the rear of the aircraft.
- Spray all galleys, including those on the lower levels and lift access areas.
- Spray lavatories and coat lockers for two seconds.
- Spray all crew rest areas using an up-and-down motion for three seconds.
- The flight deck will also need to be sprayed for three seconds. Be sure to direct the spray away from aircraft equipment.
- Spraying of cabins shall be carried out at a standard spray rate of 1g per second and based on a required coverage rate of 35g/100m<sup>3</sup>.

### REQUIREMENTS

For further information on quantities of aerosol cans per model of aircraft, please contact your nearest Callington Sales Manager.

### VERIFICATION

The applicator is responsible for ensuring that a certificate detailing the 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 pre-embarkation cabin 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.

### SPECIFICATIONS

Active Ingredient: permethrin at 2% w/w

Discharge rate: 1.0 ± 0.2 g/s

Application Rate: 35g/100m<sup>3</sup>

**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 18/01/2024 10:41 AM