

## TECHNICAL DATA SHEET

# NFAI-Phenothrin (D)

## NON FLAMMABLE AIRCRAFT INSECTICIDE PHENOTHRIN

(D-Phenothrin)

*Insecticide Specially Formulated for Aeronautical Use*

### DESCRIPTION

NFAI-Phenothrin (D), Non Flammable Aircraft Insecticide Phenothrin (D-Phenothrin) is a non-flammable aircraft approved insecticide compliant with international Health regulations and WHO's recommendations for biosecurity aircraft disinsection. It is used for cabin "pre-departure" and "on-arrival" disinsection methods.

### FEATURES & BENEFITS

- Effective on many flying and crawling insects (Musca Domestica, Aedes, Anopheles, Culex).
- Total mortality in less than 3 minutes with knock-down effect
- Compliant with International Health Regulations and WHO's recommendations
- Non-flammable aerosol formula.
- Dry diffusion for maximum efficacy.
- Available in different sizes, with a one-shot or multi-shot nozzle
- Active ingredient: 2% w/w phenothrin (CAS 188023-86-1)
- **Recyclable Aluminum can**



Calculated Carbon Footprint



### APPLICATION

- Disinsection of the cabin, cockpit and cargo holds
- Product suitable for use in confined spaces
- Insecticide to be used in accordance with WHO's recommended disinsection procedures "pre-departure" and "on-arrival".

### DIRECTIONS FOR USE

- Refer to your onboard manual for the number of cans to be used for each specific aircraft.
- Ensure all overhead and side wall lockers and toilets are left open
- Air conditioning system should be switched off.
- Hold one can of NFAI-Phenothrin (D) 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 across to the other side of the aisle, spraying all the way until you reach the rear of the aircraft. If more than one can is required for treatment, follow the same

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method by holding one can in each hand. If four cans are required, two crew members should carry out this treatment.

- Spray all galleys, lift access areas, lavatories, coat lockers, 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.
- Do not spray directly on food, food preparation areas or food utensils.
- **'Single-shot' Aerosol:** product is released completely, in one continuous spray. Suitable for cabin treatment. Press hard on the tab until it locks. After activation (tab locked), the cannister must be held at the lowest part of its body in a vertical position until complete discharge. Walk through the cabin spraying at a rate of 1 step or 1 row of seats per second (equivalent to an average of 1g per second), holding the aerosol vertically by its body, at arm's length at shoulder level. Direct the spray towards the ceiling and slightly behind the user until it is completely empty.
- **'Multi-shot' Aerosol:** multiple-use actuator, best suitable to complete treatment of small areas: cockpit, crew rest and small bulk treatment. Press the actuator, holding the aerosol vertically. Keep pressed until the right quantity is released, spraying at an average discharge rate of 1g per second. (ie. Press the actuator 3 to 4 seconds, per 10m<sup>3</sup> of Cabin volume).
- **Application rate as per WHO recommendations (2nd Edition – Nov.2023):**
  - Cabin: 35g / 100 m<sup>3</sup>
  - When used in Holds with Single-Shot actuator as an alternative to the 2%Permethrin+2%d-Phenothrin combination aerosol formulation (special circumstances such as no authorization of the combination aerosol ; subject to approval by the country authority):
    - 140g / 100 m<sup>3</sup> for Fwd Hold and Aft Hold of commercial passenger or freighter aircraft.
    - 55g / 100 m<sup>3</sup> for Main Deck Cargo of a freighter aircraft.

Use biocides with caution. Before use, read the label and information concerning the product

## ORDERING INFORMATION

Product Code	Product	Size	Nozzle	Volume treated (m3)	Units /carton	CO2 / units (EXW Paris)
AR0004922	NFAI-30D ONE-SHOT (#210 DP)	30 g	One-shot	90	100	36,93 Kg
AR0005479	NFAI-30D MULTI-SHOT (#210 DN)	30 g	Multi-shot	90	100	36,93 Kg
AR0000296	NFAI-40D ONE-SHOT (#222 A)	40 g	One-shot	120	100	49,20 Kg
AR0004887	NFAI-60D ONE-SHOT (#222 P)	60 g	One-shot	170	100	73,72 Kg
AR0000290	NFAI-60D MULTI-SHOT (#222 N)	60 g	Multi-shot	170	100	73,72 Kg
AR0000298	NFAI-100D ONE-SHOT (#203 DP)	100 g	One-shot	300	50	122,82 Kg
AR0000291	NFAI-100D MULTI-SHOT (#203 DN)	100 g	Multi-shot	300	50	122,82 Kg



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## PACKAGING

Units per carton	Carton dimensions (cm)	Parcels per pallet	Parcels per layer	Number of layers	Pallet dimensions (cm)	Pallet Height (cm)
100	37 x 37 x 16	42	6	7	120 x 80	122
50	46.5 x 26 x 19.5	36	6	6	120 x 80	122

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### CHARACTERISTICS

Aspect	Colourless to slightly yellow liquid
Fragrance	Characteristic – peach fragrance
Flammability	Non-flammable aerosol
Packaging	Recyclable aluminium can. Resistance to pressure up to 18 bars
Flow rate	Between 0.8 & 1.2 g/s as per WHO recommendations

Please consult the Material Safety Data Sheet for further information.

### CERTIFICATIONS AND ACREDITATIONS

- Aerosol product NFAI-Phenothrin (D)
  - Compatible with aircraft materials: AMS 1450 A – Boeing D6-7127
  - Referenced on Airbus Consumable Material List: CML 11ABB2
  - Compliant with WHO's recommendations for disinsection of aircraft
- Active ingredient:
  - Assessed by W.H.O. for public health pesticides
  - D-Phenothrin approved as per the EU Biocidal Products Regulation N°528/2012, for use as Product Type 18 (Commission Implementing Regulation (EU) n°1090/2014).
- PSA certified to ISO 9001:2015
- NCAGE: FA2X6

### WARNING

Pressurised container: May burst if heated. Very toxic to aquatic life with long lasting effects.

### PRECAUTION

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking. Do not pierce or burn, even after use. Avoid release to the environment. Collect spillage. - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### STORAGE AND DISPOSAL

Store in a cool, dry, ventilated place. Keep out of reach of children. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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