

TECHNICAL DATA SHEET

NFAI-Phenothrin (T)

NON FLAMMABLE AIRCRAFT INSECTICIDE PHENOTHRIN

(1R-Trans Phenothrin)
Insecticide Specially Formulated for Aeronautical Use

DESCRIPTION

NFAI-Phenothrin (T), Non Flammable Aircraft Insecticide Phenothrin (1R-Trans Phenothrin), is a non-flammable aircraft approved insecticide compliant with International Health regulations, WHO's recommendations for biosecurity aircraft disinsection and the latest EU regulations. NFAI-Phenothrin (T) is used for cabin and holds pre-departure disinsection as well as any necessary on-arrival cabin and cargo holds aircraft disinsection methods.

FEATURES & BENEFITS

- EU No. 528/2012 biocidal regulation approved (March 2019).
- Non-flammable aerosol with dry diffusion for maximum efficacy.
- Compliant with International Health Regulations' (IHR), World Health Organization's (WHO) & IATA's recommendations.
- Effective on many flying and crawling insects (*Aedes*, *Anopheles*, *Culex Mosquitoes*; *Musca Domestica*...) known as vectors of serious diseases (Malaria, Zika, Dengue...).
- Compliant with aircraft manufacturer's specifications.
- Manufactured in Europe.
- Available in various sizes, with single-shot or multi-shot nozzle, to optimize and perfectly adapt quantity of insecticide used aircraft
- Active ingredient: 2% w/w 1R-Trans Phenothrin (CAS 26046-85-5)
- Propellant: HFO 1234ze – GWP<1 according to AR6 from IPCC
- Recyclable Aluminum can and plastic cap.
- Calculated and Compensated 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 "pre-departure", "pre-departure cargo holds", "on-arrival" and "on-arrival cargo holds" methods.

DIRECTIONS FOR USE

- Refer to your onboard manual for the number of cans to be used for each specific aircraft.

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- Air conditioning system should be switched off.
- To be applied either as a one-shot or multi-shot aerosol, at a rate of 35g product 100m³ cabin volume.
- Open all overhead and side-wall lockers and toilets.
- **'Single-shot' Aerosol:** product is released completely, in one continuous spray. Suitable for cabin and large cargo hold 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, at arm's length at shoulder level. 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). Direct the spray towards the ceiling and slightly behind the user until it is completely empty.
- **'Multi-shot' Aerosol:** multiple-use actuator, 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. Press the actuator 3 to 4 seconds, per 10m³ of cabin volume.

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

ORDERING INFORMATION

Product Code	Product	Size	Nozzle	Volume treated (m ³)	Units / carton	CO ₂ / units (EXW Paris)
AR0006698	NFAI-30T MULTI-SHOT (210 T/N)	30 g	Multi-shot	90	50	0.20 Kg
AR0006700	NFAI-40T ONE-SHOT (222 AT)	40 g	Single-shot	120	50	0.23 Kg
AR0006701	NFAI-60T MULTI-SHOT (222 T/N)	60 g	Multi-shot	170	50	0.33 Kg
AR0006702	NFAI-60T ONE-SHOT (222 T/P)	60 g	Single-shot	170	50	0.33 Kg
AR0006703	NFAI-100T MULTI-SHOT (203 T/N)	100 g	Multi-shot	300	25	0.41 Kg
AR0006704	NFAI-100T ONE-SHOT (203 T/P)	100 g	Single-shot	300	25	0.41 Kg



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AND CARBON OFFSET FOR CO₂ NEUTRAL PRODUCTS**



PACKAGING

Units per carton	Carton dimensions (cm)	Parcels per pallet	Parcels per layer	Number of layers	Pallet dimensions (cm)	Pallet Height (cm) for Air Freight
50	37.0 x 19.0 x 15.2	108	12	9	120 x 80	155
25	24.1 x 23.8 x 18.2	105	15	7	120 x 80	145

CHARACTERISTICS

Aspect:	Colourless to slightly yellow liquid
Fragrance:	Characteristic – Peach fragrance
Flammability:	Non-flammable
Packaging:	Recyclable aluminium can. Resistance to pressure up to 18 bars
Flow rate:	Between 0.8 & 1.2 g/s as per WHO recommendations
Shelf life:	2 years

Please consult the Safety Data Sheet for further information.

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APPROVALS & CERTIFICATIONS

- Aerosol product:
 - AMS 1450 - BOEING BSS7434
 - Airbus CML applications 11ABB2, 11ADC1
 - Air France FITS 58-058-01
 - NATO NSN :

6840-14-6023808	(30g Multi-Shot)
6840-14-5947644	(40g One-Shot)
6840-14-5874817	(60g One-Shot)
 - Approved on March 27th, 2019, as a biocidal product as part of EU Biocidal Products Regulation N°528/2012.
- Active ingredient:
 - Assessed by WHO as part of the IPCS (Int'l Programme on Chemical Safety)
 - Approved as per the EU Biocidal Products Regulation N°528/2012, for use as product type 18 (Directive n° 2013/41/UE)
- PSA certified ISO 9001:2015.
- PSA NATO Cage code: 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 40 °C/104 °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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