

## TECHNICAL DATA SHEET

# NON-FLAMMABLE AIRCRAFT INSECTICIDE PERMETHRIN

## *Specially Formulated for Aeronautical Use*

### DESCRIPTION

PSA Non-flammable aircraft insecticide Permethrin (NFAI Permethrin) is a non-flammable aircraft approved insecticide compliant with international Health regulations and WHO's recommendations. It is recommended to be used for Pre-embarkation aircraft disinsection method.

### FEATURES & BENEFITS

- Effective on many flying and crawling insects (Musca Domestica, Aedes Aegypti, Anophele Stephensi).
- Total mortality in less than 5 minutes with residual effect
- Complies 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 permethrin CAS (52645-53-1)

### APPLICATION

- Disinsection of the cabin and cockpit areas
- Product suitable for use in confined spaces
- Insecticide to be used in accordance with WHO's recommended disinsection procedure 'pre-embarkation' disinsection method

### DIRECTIONS FOR USE

- Ensure all overhead and side wall lockers are left open
- Hold one can of PSA NFAI-Permethrin 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 method by holding one can in each hand. If four cans are required, two crew members should carry out this treatment.



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- 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.
- **“One Shot” Aerosol:** Depress tab firmly on spray nozzle until it locks down. **“Multi-shot” Aerosol:** Depress tab on spray nozzle until complete discharge or until right quantity is released. Press the nozzle; walk through the compartment holding the aerosol vertical until it is completely empty.
- Application rate as per WHO recommendations: 35g to treat 100m<sup>3</sup>

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

### ORDERING INFORMATION

Item Code	Designation	Size	Nozzle	Volume treated	Units/carton
AR0006404	Aerosol #210 P/P	30 g	One-shot	90	100
AR0005542	Aerosol #210 P/N	30 g	Multi-shot	90	100
AR0000313	Aerosol #216A	40 g	One-shot	120	100
AR0000299	Aerosol #217A	40 g	Multi-shot	120	100
AR0000312	Aerosol #216	60 g	One-shot	170	100
AR0000300	Aerosol #217	60 g	Multi-shot	170	100
AR0000309	Aerosol #203 P/P	100 g	One-shot	300	50
AR0000301	Aerosol #203 P/N	100 g	Multi-shot	300	50

### 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
20	28 x 22.5 x 28	70	14	5	120 x 80	148

### CHARACTERISTICS

- Active ingredient: Permethrin – ratio 25/75 CAS (52645-53-1) ...2% w/w
- 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

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- Flow rate: Between 0.8 & 1.2 g/s as per WHO recommendations

Please consult the material Safety Data Sheet for further information.

### APPROVALS

- Aerosol product:
  - Compatible with aircraft materials: AMS 1450 A
  - Referenced on Airbus Consumable Material List: CML 14-010
- Active ingredient:
  - Assessed by W.H.O. as part of the IPCS (Int'l Programme on Chemical Safety) 1989
  - Approved as per the EU Biocidal Products Regulation N°528/2012, for use as product type 18 (Commission Implementing Regulation (EU) n°1090/2014).

### CERTIFICATIONS AND ACREDITATIONS

- PSA certified to ISO 9001:2015
- NCAGE: FA2X6

### WARNING

Pressurised container: May burst if heated. May cause an allergic skin reaction. 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 breathing vapours. Avoid release to the environment. If skin irritation or rash occurs: Get medical advice/attention. 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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