Specialty Chemical Manufacturers
for Aviation & Industry

TECHNICAL DATA SHEET

AIREZ

Emulsifiable Concentrated Residual Insecticides for Aircraft Cabin and Hold Disinsection

DESCRIPTION

AIREZ Insecticide is an emulsifiable concentrated, World Health Organisation (WHO) compliant, residual aircraft insecticide designed to be diluted with water before spraying in aircraft cabins and holds. AIREZ complies with most Quarantine and Health Authorities worldwide. It is ideal for all international and domestic routes. AIREZ can be mixed with an ultraviolet tracer if required by auditing authorities. AIREZ has a remanent long-lasting effect on mosquitoes and various other crawling insects.

FEATURES & BENEFITS

- Efficient aircraft approved insecticide.
- Non-flammable and non-staining.
- Complies with WHO's recommendations for Aircraft Disinsection.
- Dilutes in water.
- Emusifiable concentrated product (1:24).
- Recyclable packaging.

APPROVALS

- Boeing D6-7127
- AMS 1450
- Australian Quarantine & Inspection Services
- New Zealand Ministry of Agriculture & Fisheries
- Australian Pesticides and Veterinary Medicines Authority

APLICATION RATE (dilution)

AIREZ is an emulsifiable concentrate and must be diluted with water in the ratio of 1 litre Airez to 24 litres of water (or 200mls of Airez in 4.8 litres of water). This will give the correct diluted ready to use product and the correct amount of Permethrin (2%) as recommended and specified by the World Health Organisation (WHO) and by most Quarantine Authorities around the world.

Dilution should take place just prior to application. If dilution has been made more than 1 week before application, then mix or shake container before use.

COVERAGE RATES

Spray the diluted product to achieve:

- 25ml/m^2 on the carpets (corresponding to a 0.5g/m^2 deposit).
- 10ml/m^2 on the other interior surfaces (corresponding to a 0.2g/m^2 deposit).

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METHODS OF APPLICATION

Residual disinsection must only be carried out with approval from the respective Government Health &/or Quarantine Agencies in each country. For flights to Australia & New Zealand, residual Disinsection Treatment must be conducted in accordance with the procedures detailed in the AQIS/MAFBNZ Schedule of Aircraft Disinsection Procedures. Suggested means of application is by compressed air spray guns, fogging apparatus or pressure retaining sprays. Approved aircraft insecticide aerosol should be used to spray the electrically sensitive areas and cockpits.

QUANTITIES

The following are approximate guides to treat the interior surfaces of both cabin and cargo compartments depending on aircraft models. Usage may vary depending on applicator and equipment used.

A330-200	17L	A380-800	35L	Boeing 737-8	8L
A330-300	19L	Boeing 747	34L		
A350-1000	24L	Boeing 787-9	20L		

TREATMENT

Permethrin is a natural raw material and can crystalise under certain conditions, e.g., temperature exposure. If crystallisation happens, the product can be heated up to around 40C can the crystals go back into solution (e.g., water bath). On a warm day, putting them into direct sunlight can also be sufficient. If you are unable to do that or the result is not as expected, we can provide replacement stock.

TREATMENT PROCEDURE

Refer to Quarantine procedures or contact our Technical Service.

PHYSICAL PROPERTIES

Appearance colour:	Brown liquid
Appearance Transparency:	Clear
Density @ 20°C:	0.45 +/- 0.01
Cloud Point (°C):	Less than -4 °C

PACKAGING

Code	Description	Format
4755/30	AIREZ Insecticide	1 litre bottle

STORAGE

Do not store below 10°C.

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