

Technical Data	EMULSIFIABLE CONCENTRATE « EC 10 » « Permethrin »	<i>doc.Inf/Tech2/</i> <i>0.107</i>
Edit : Jan 95	# 280 - # 282	Rev. : Jan 03

FORMULA

- Permethrin (25/75 trans ratio) 100 g per litre
- Solvent and emulsifier balance

VECTOR CONTROL

Permethrin is proved effective against mosquitoes, ants, fruit flies, aphid, beetles and moths, pests of stored food, biting flies, fleas, cockraoches and lice.

TREATEMENT

Residual treatments of passenger and cargo space of commercial and military aircrafts :interior of passenger, cabin crew and cargo compartments, including ceilings, walls, lockers, curtains, carpets etc...toilets, galleys, and wall areas behind curtains.

**Procedure for disinsection of aircraft
by application of a residual insecticide film.**

A 2 % emulsion of Permethrin is prepared by mixing :

4 parts of 10 % Emulsifiable Concentrate EC 10 with 19 parts of water.

i.e. for example : to obtain 23 litres of a 2 % Emulsion of Permethrin, mix 4 litres of 10 % EC with 19 litres of water.

To treat the cabin and cargo space of a :

- B747B 33 litres of 2 % emulsion
- A330/340 18 litres " "
- B777 19 litres " "
- B767/A310 12 litres " "
- DC10 16 litres " "
- B737 7 litres " "
- B727 Freighter 6 litres " "

METHOD

The 2 % emulsion needs to be applied with a 5 litre capacity, hand-operated compression sprayer with flat fan type nozzles, specification N° 01-F80, delivering 5 ml per second at a pressure of 104 kpa (15 per square inch).

Spray the 2 % emulsion preparation at the rate of :

* 10 ml per m2 to give a deposit of 0,2 g of Permethrin per m2 on interior surfaces,



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* 20 ml per m² to give a deposit of 0,4 and 0,5 g of Permethrin per m² on carpets.

Prepare the aircraft by opening and cleaning all lockers, cupboards, storage units etc... and drawing all curtains and window blinds.

Remove carpet covers if present.

PERIODICITY OF TREATMENTS

The treatment must be renewed within 4 weeks.

TOXICITY OF PURE INGREDIENT (PERMETHRIN)

Permethrin has very low mammalian and dermal toxicity :

- Acurate oral LD 50... ... 1479/4672 mg/kg (rat)
- Acurate dermal LD 50 ... 4000 mg/kg (rat)

POSSIBLE HAZARDS

Normal commonsens precautions

- Avoid skin and eyes contact
- Do not swallow
- Do not eat, drink or smoke during treatment.

STORAGE

- Store in a cool dry place.
- Keep away from food, beverages, and animal feeding stuffs.

PACKAGING

Plastic jerrycan : 10 litres # 280

IATA drum : 50 litres # 282

NATO CODE FA2X6