

PRODUCT INFORMATION

Detmol-BIO.A L

Use

Ready-to-use aircraft insecticide with long lasting residual effect (Residual Treatment) for control of *Aedes aegypti* (yellow fever mosquito) and *Culex quinquefasciatus* (house mosquito) in cargo and passenger aircrafts.

May be used in commercial aircrafts according to the German Federal Environment Office (UBA), complies with the specifications of § 18 IfSG (German infection protection regulations) and the recommendations of the WHO on aircraft disinsection with long lasting residual effect (Residual Treatment).

Other areas of application: On public transport such as cruise ships (cabins, storage areas), on trains, in tour buses, etc.

In addition, Detmol-BIO.A L is also effective for control of crawling insects as for example bed bugs (*Cimex lectularius*), beetles (Coleoptera), cockroaches, etc., and against flying insects such as fruit flies (*Drosophila melanogaster*), houseflies (*Musca domestica*), etc.

Detmol-BIO.A L is used to prevent possible spreads of vector-borne diseases like Malaria, Zika, Chikungunya, Yellow and Dengue Fever.

The product has a very good knockdown effect and a strong flushing-out effect.

- Water based.
- More or less solvent free.

Further information can be found in the Material Safety Data Sheet.

Active ingredients

2 % permethrin (20,0 g/l), 0,2 % tetramethrin (2,0 g/l)

Mode of Action

Rapid knockdown and long lasting residual effect by contact with spray droplets and/or spray deposit, flushing and immediate knockdown effect.

Dosage

10 ml per m². This corresponds to the WHO recommendation of 0,2 g/m² permethrin. The preparation should not run off.

Application

Application according to the WHO recommendation (0,2 g permethrin per m²) for aircraft disinsection with long lasting residual effect (Residual Treatment).

For misting with the "turbo-sprayer" (808 BIOZIDE) or "Unipro 2" (IGEBA).

Turbo-sprayer: Full airflow (air supply nozzle to maximum position) and preparation output in position 2 of the scale from 1 to 5. The spray time is 1 – 2 seconds per square meter.

This leads to a preparation distribution of 10 ml/m².

For the application with the ULV aerosol generator "Unipro 2" (IGEBA) you need the nozzle 0.4. Settings according to supplier recommendation/instruction for use.

Consideration of the specifications/restrictions of the applying airline and/or the responsible airline engineering.

The material compatibility was tested and approved by the laboratory of the central materials technology department of Lufthansa Technik AG. AMS1450A and Boeing D6-7127 certified.

Specifically, the following tests were performed, and they were passed without restrictions:

- Sandwich Corrosion Test - ASTM-F1110
- Paint Softening - ASTM-F 502
- Sealant and Primer Test - D6-17487
- Silicone Rubber Test - ASTM-D 471
- Polycarbonate Crazing - ASTM-F-484
- Polymethylmethacrylat Crazing - ASTM-F-484
- Flammability Impact Carpet - FAR 25 Appendix F VBB 12sec
- Total Immersion Corrosion Test - ASTM-F483
- Additional Test for AMS1450A
- Residue on Alu-sheet 7075 Clad
- Temp Stability 120h @ 2°C
- Short Storage Test 12h @ -23°C

Restrictions: None

p.t.o.

Precaution

May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Collect spillage. Dispose of contents and container to in accordance with local and national regulations. No product application in the presence of babies, infants or sensitive persons. All persons except the applicator have to leave the room. Ventilate rooms thoroughly before reoccupying them. Remove unpacked foodstuffs and feed, domestic cattle and pets as well as toys, exposed dishes and other commodities before application. Cover kitchen utensils, tables, benches and other surfaces on which food is stored, prepared or consumed as well as clothes, seating furniture or other surfaces which are often contacted by skin or wash or clean them before use with an alkaline detergent.

Do not store below + 5 °C.

Disposal

Wastes resulting from the use of this product are to be disposed in accordance with national regulations.

Packaging

Plastic canister, cont. 10 l.