

Detmol-BIO.A (AE)

PRODUCT INFORMATION

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 (AE) 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 (AE) 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 aerosol (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

By contact with spray droplets and/or spray deposit. Long lasting residual effect, flushing and immediate knockdown effect.

Dosage

One aerosol can with 200 ml is sufficient for 20 m².

Application

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

effect (Residual Treatment). Active ingredients in water solution: 2 % permethrin (20,0 g/l), 0,2 % tetramethrin (2,0 g/l).

Power discharge nozzle for localized application is attached. For easier application we recommend a special applicator which is available separately and which can be attached on the aerosol can.

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

Precaution

Pressurised container. May burst if heated. May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Do not allow to enter sewers or surface water. This biocidal product contains permethrin which is dangerous to bees and other pollinators. Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection. Dispose of contents and container in accordance with local regulations.

Use product only in empty cargo holds and unoccupied passenger compartments. Do not use in the presence of passengers, crew or ground staff.

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. **Shake before use!**

Disposal

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

Packaging

Cartons with 12 aerosol cans à 200 ml.