



Bundesanstalt für Arbeitsschutz
und Arbeitsmedizin
Federal Institute for Occupational
Safety and Health

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Dortmund, 20.08.2025

**General Decree authorising the biocidal product “Biobor JF” for antimicrobial treatment
of fuel systems in aircraft by the professional user due to a hazard
for public health**

The Federal Office for Chemicals, as the competent authority, hereby issues the general decree for the authorisation
the placing on the market and use of the biocidal product “Biobor JF” for antimicrobial

Treatment of aircraft fuel systems by professional users in accordance with Article 55

Paragraph 1 of Regulation (EU) No 528/2012.

General provision

File number 5.0- 710 30/06.00002

Authorisation for the placing on the market and use of the biocidal product 'Biobor JF' for antimicrobial treatment of fuel systems in aircraft by the professional user
due to a threat to public health

1. Legal basis

In aircraft, contamination of aviation fuel in fuel tanks and Fuel line systems with hydrocarbon-utilizing microorganisms. This can endanger the airworthiness of the engine and lead to safety-relevant disruptions in the fuel supply lead.

Holders (aircraft or engine manufacturers) of type certificates for aircraft in accordance with Regulation (EU) No 2018/1139 provides for aircraft operators to have officially approved procedures and Instructions for maintenance measures are available. These are intended to ensure the airworthiness of the aircraft and aircraft operators must generally comply with such instructions in order to to comply with aviation regulations.

To prevent and combat contamination of fuel tanks with microorganisms, the the above instructions, the biocidal treatment of aviation fuel during normal flight operations in case of infestation and also preventively during storage and parking times with "KATHON FP 1.5% Fuel Biocide from DuPont or Biobor JF from Hammonds Fuel Additives The use of other alternative biocidal products is not permitted for the above-mentioned application area. not permitted under aviation law.

The biocidal product "KATHON FP 1.5% Fuel Biocide" from the manufacturer "DuPont" is safety-related incidents, no longer available for use in aviation fuel applications on the market provided.

The biocidal product "Biobor JF" contains the active ingredients 1. 2,2' - (1-methyltrimethylenedioxy)bis - (4-methyl-1, 3, 2-dioxaborinane) (CAS No.: 2665-13-6) and 2. 2,2' - oxybis (4, 4, 6 - trimethyl-1,3, 2-dioxaborinane) (CAS No.: 14697-50-8). These are listed in Regulation (EC) No. 1451/2007 as identified active substances, but not as notified active substances. Therefore, biocidal products containing these active substances have not been no longer marketable and not eligible for registration in accordance with Article 19 of Regulation (EU) No 528/2012.

According to Article 55(1) of Regulation (EU) No 528/2012, a competent authority may, by way of derogation, Articles 17 and 19, for a maximum period of 180 days, the provision of a

biocidal product on the market or the use of a biocidal product which does not comply with the requirements of this Regulation for the granting of an authorisation, for a restricted and controlled use under the supervision of the competent authority, if this is justified by a risk to public health, animal health or the environment is necessary, which is associated with other

The authorisation to place on the market also covers the case where that a product is imported by a supplier from outside the Union and then sold to customers in Germany is handed over.

In order to enable safe flight operations in Germany, aircraft operators should be able to are subject to the officially approved procedures and instructions of the aircraft or engine manufacturers. Therefore, the biocidal product "Biobor JF" should be used for antimicrobial fuel treatment in aircraft

Ensuring the airworthiness of aircraft to maintain the

According to the available information, aviation safety and thus public health are currently neither using other means or other methods.

Article 55(1) of Regulation (EU) No 528/2012 provides a short-term measure to contain a acute unforeseeable danger, but is in no case a permanent means to ensure the long-term

To ensure the availability of the biocidal product on the market. The latter requires regular

It is therefore urgently necessary that the regular biocide procedure according to Regulation (EU) No. 528/2012 for "Biobor JF" and the biocidal active substances it contains.

According to the information available to the Commission, the manufacturer of 'Biobor JF' has taken steps to regular approval of the product and it is expected that an application for

Approval of the active substances contained therein is also required for future evaluations of

Measures pursuant to Article 55(1) of Regulation (EU) No 528/2012 for the product 'Biobor JF' will

It is important that the necessary steps to obtain regular approval for the product have been initiated and consistently pursued.

2. Scope of application

This general decision applies to the placing on the market and use of the biocidal product "Biobor JF" from the manufacturer "Hammonds Fuel Additives" for the antimicrobial treatment of Fuel systems in aircraft by the professional user, provided that the application required by aviation law or by the manufacturer.

The application must be in accordance with the specifications of the holder of the relevant type certificate in accordance with Regulation (EU) No. 2018/1139 in conjunction with Regulation (EU) No. 748/2012. In addition, the by the European Union Aviation Safety Agency (EASA) pursuant to Regulation (EU) No 1321/2014 measures ordered to ensure continued airworthiness must be observed.

3. Admission

In accordance with Article 55(1) of Regulation (EU) No 528/2012, I grant authorisation for the biocidal product
Within the meaning of Section 2 on antimicrobial fuel treatment in aircraft to ensure airworthiness.

Note: In the case of publicly announced general decrees, a justification must be provided in accordance with Section 39 (2)
No. 5 VwVfG is unnecessary.

4. Additional provisions

The information on the label and in the leaflet must meet the requirements of Article 69 of Regulation
(EU) No 528/2012.

5. Entry into force / expiry / revocation

5.1 This general decree shall enter into force on 5 October 2025.

5.2 This general decree shall expire on 3 April 2026.

5.3 This general decree is issued subject to revocation at any time.

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Dortmund, 20.08.2025

On behalf of

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