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und Arbeitsmedizin
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30/06.00002

Dortmund, 24.02.2025

General Decree on the Authorisation of 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 order for the approval 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 in accordance with Article 55 paragraph 1 of Regulation (EU) No 528/2012.

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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 provide 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 law requirements.

To prevent and combat contamination of fuel tanks with microorganisms, 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 the manufacturer “DuPont” or “Biobor JF” from the manufacturer “Hammonds Fuel Additives” The use of other alternative biocidal products is not permitted for the above-mentioned application 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 on the market for use in aviation fuel applications made available.

The biocidal product “Biobor JF” contains the active substances 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 are not 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, from Articles 17 and 19 for a maximum period of 180 days, the provision of a

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biocidal product on the market or the use of a biocidal product which does not comply with the requirements of this Regulation
laid down conditions for the granting of an authorisation, for a limited and
controlled use under the supervision of the competent authority if this is necessary due to a
risk to public health, animal health or the environment, which is necessary with other
The authorisation to make available on the market also covers the case where
that a product is imported by a supplier from outside the Union and then delivered 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, neither aviation safety nor public health is currently
using other means or other methods.

Article 55(1) of Regulation (EU) No 528/2012 provides a short-term means of containing 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
Biocide authorisation. It is therefore urgently necessary that the regular biocide procedure in accordance with
Regulation (EU) No 528/2012 for “Biobor JF” and the biocidal active substances contained therein.
According to the information available to the Commission, the manufacturer of ‘Biobor JF’ has taken steps to
Regular approval of the product has been undertaken 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 are
initiated and consistently pursued.

2. Scope of application

This general ruling 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 comply with the requirements 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 maintain airworthiness must be observed.

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3. Admission

Pursuant to 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 is required in accordance with Section 39, Paragraph 2 No. 5 VwVfG is superfluous.

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 7 April 2025.

5.2 This general decree shall expire on 4 October 2025.

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

Federal Institute for Occupational Safety and Health
Federal Office for Chemicals
Friedrich-Henkel-Weg 1 – 25
44149 Dortmund

Dortmund, 24.02.2025

On behalf of

Dr. Kerstin Heesche-Wagner Director
and Professor