

# GREAT BRITAIN BIOCIDAL CRITICAL SITUATION PERMIT - EXTENSION

**Biocidal Product Name: Biobor JF**  
**Permit Holder: UK Civil Aviation Authority**

This permit is issued in exercise of the powers conferred by Article 55(1) of assimilated Regulation (EU) No. 528/2012 of the European Parliament and of the Council concerning the making available on the market and use of biocidal products, (referred to in this certificate as “Regulation 528/2012 GB”), and following decisions made by the Secretary of State (as regards England) on 28/10/2024 (Critical Situation Extension Decision reference 2024/241371), the Scottish Ministers (as regards Scotland) on 25/10/2024 (Critical Situation Extension Decision reference 2024/241431) and the Welsh Ministers (as regards Wales) on 25/10/2024 (Critical Situation Extension Decision reference 2024/241425).

Regulation 5 of the Biocidal Products and Chemicals (Appointment of Authorities and Enforcement) Regulations 2013 makes provision as to the appointment of competent authorities for the purposes of Article 81 of Regulation 528/2012 GB. These are, respectively, the Secretary of State (as regards England), the Scottish Ministers (as regards Scotland) and the Welsh Ministers (as regards Wales).

The Health and Safety Executive acts on behalf of the competent authorities, pursuant to Agency Agreements which came into force on 12 February 2021.

The Health and Safety Executive issues this permit with the following terms and conditions:

1. The making available and use notified to the Health and Safety Executive under Article 55(1) of Regulation 528/2012 GB (“the critical use”) and outlined in the application from the UK Civil Aviation Authority, dated 01 May 2024, reference 2024/102598, may take place subject to compliance with the conditions and restrictions listed in Appendix 1.
2. This permit applies from 31 October 2024.
3. The biocidal product(s) shall only be made available in Great Britain by the suppliers listed in Section 1.5 of Appendix 1.
4. When the biocidal product(s) is supplied as part of the critical use to someone other than the permit holder, the labelling or packaging shall include the information listed in Appendix 1 other than,
  - start date of the permit;
  - expiry date of the permit;
  - the name and address of the formulator(s) of the product;

- the name and address of all permitted suppliers of the biocidal product (however the relevant biocidal product supplier name and address must be on the product label);
  - the non-active substances, (however details of non-active substances specifically listed in the table in Section 2.1 or specifically referenced in Sections 3, 4 or 5 should be included on the product label);
  - the list of all permitted pack sizes (however the relevant pack size must be on the product label).
5. When the biocidal product(s) is supplied as part of the critical use to someone other than the permit holder, any relevant classification, packaging and labelling requirements of Regulation (EC) No 1272/2008, as it has effect in Great Britain (the Classification Labelling and Packaging Regulation) shall be complied with.
6. Labels should not be misleading in respect of the risks from the product to human health, animal health or the environment, or in relation to its efficacy, and shall not mention the following terms or any similar indications,
- 'low-risk biocidal product';
  - 'non-toxic';
  - 'harmless';
  - 'natural';
  - 'environmentally friendly'; and
  - 'animal friendly'.
7. Any advertisement for the product shall, in addition to complying with Regulation (EC) No 1272/2008, as it has effect in Great Britain (the Classification Labelling and Packaging Regulation), include the sentences "Use biocides safely. Always read the label and product information before use.". The sentences shall be clearly distinguishable and legible in relation to the whole advertisement.
8. Advertisements shall not refer to the product in a manner which is misleading in respect of the risks from the product to human health, animal health, or the environment, or its efficacy, and shall not mention the following terms or any similar indications,
- 'low-risk biocidal product';
  - 'non-toxic';
  - 'harmless';
  - 'natural';
  - 'environmentally friendly'; and
  - 'animal friendly'.
9. The suppliers listed in Section 1.5 of Appendix 1 shall keep records of the quantities of the biocidal product they make available as part of the critical use, including quantities made available to the permit holder. This information should be made available to the Health and Safety Executive upon request.

10. Users of the biocidal product(s), including the permit holder, shall keep records of each treatment undertaken as part of the critical use. This information should be made available to the Health and Safety Executive upon request.
11. On becoming aware of new data or information on adverse effects of the active substance or biocidal product on humans, in particular vulnerable groups, animals or the environment, the permit holder shall without delay inform the Chemicals Regulation Division of the Health and Safety Executive.
12. The permit holder shall work with the product manufacturer and other interested parties to ensure progress continues to be made towards approval of the active substance(s) and subsequent authorisation of the biocidal product in Great Britain.
13. The permit holder shall submit a report to the Chemicals Regulation Division of the Health and Safety Executive outlining the steps taken to comply with term/condition 12 by 1 May 2025 and 31 October 2025.
14. This permit remains in force until 11:59pm on 3 May 2026, unless it is revoked at an earlier date.

**Issued by**

*Alf Williams*

Date of Issue: 30/10/2024

Chemicals Regulation Division, Health and Safety Executive,  
Redgrave Court, Merton Road, Bootle, Merseyside, L20 7HS, United Kingdom

**Explanatory notes:**

- i. Regulation (EU) No. 528/2012 of the European Parliament and of the Council concerning the making available on the market and use of biocidal products (and supplementary EU Regulations and EU Decisions) has been amended by:
  - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019;
  - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020; and
  - The Biocidal Products (Health and Safety) (Amendment) Regulations 2022and assimilated into Great Britain law by the Retained EU Law (Revocation and Reform) Act 2023.
- ii. HSE extended this permit following decisions taken by the Secretary of State (as regards England) on 28/10/2024, the Scottish Ministers (as regards Scotland) on 25/10/2024, and the Welsh Ministers (as regards Wales) on 25/10/2024
- iii. This permit is applicable/valid in Great Britain only (which means England, Scotland and Wales). This permit is not applicable/valid in Northern Ireland.
- iv. This permit is to allow the making available and use of the biocidal product in Great Britain only, due to an absence of any other products permitted for use by aircraft and engine manufacturers to perform safety critical maintenance operations.
- v. Making available on the market means any supply of a biocidal product, whether in return for payment or free of charge, at all stages of the supply chain. Some examples of this could include:
  - manufacturer to distributor
  - distributor to retail store
  - retail store to user
- vi. The list of suppliers in Section 1.5 of Appendix 1 has been provided by the permit holder. Suppliers may be added to, or removed from, this list at the request of the permit holder.
- vii. The records kept of the quantities of the biocidal product made available by each supplier as part of the critical use shall include details of:
  - the person(s) the biocidal product was supplied to
  - the date of the supply
- viii. The records kept of each treatment undertaken as part of the critical use shall include details of:
  - the type of treatment undertaken

- the quantity of product used
  - the aircraft treated
  - the date of the treatment
  - the location of the treatment
- ix. The power to amend or cancel this permit is exercisable at any time by HSE following an adverse effects report, or where the terms and/or conditions specified in Regulation 528/2012 GB, Critical Situation Extension Decision references 2024/241371, 2024/241431 and 2024/241425, or this permit are not met.
- x. A failure to comply with any conditions or restrictions contained in Appendix 1 of this permit may result in enforcement action, including prosecution.
- xi. This permit will expire on the date shown. No phase out will be given for the making available and use of the biocidal product. Stocks of the biocidal product should be managed to ensure that none remains in the supply chain by the expiry date.

# Appendix 1: Conditions/Restrictions for the Critical Use of a Biocidal Product

## 1. Administrative information

### 1.1. Trade name(s) of the biocidal product

Please provide all trade names of the product.

Biobor JF

### 1.2. Permit holder

#### Name and address of the permit holder

<b>Permit holder name</b>	UK Civil Aviation Authority
<b>Permit holder address</b>	Aviation House, Beehive Ringroad, Crawley, West Sussex RH6 0YR

#### Permit number

GBCSP-2024-01A

#### Suffixes to the permit number linked to trade names

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#### Start date of the permit

31 October 2024

#### Expiry date of the permit

3 May 2026

### 1.3. Formulator(s) of the biocidal product

#### Formulator 1

<b>Name of formulator</b>	Hammonds Fuel Additives Inc.
<b>Address of formulator</b>	6951 West Little York, Houston, Texas, 77040

#### 1.4. Supplier(s) of the active substance(s)

##### Supplier 1

<b>Active substance</b>	Reaction mass of 2,2'-[(1-methylpropane-1,3-diyl)bis(oxy)]bis[4-methyl-1,3,2-dioxaborinane] and 2,2'-oxybis[4,4,6-trimethyl-1,3,2-dioxaborinane]
<b>Name of supplier</b>	Hammonds Fuel Additives Inc.
<b>Address of supplier</b>	6951 West Little York, Houston, Texas, 77040

#### 1.5. Supplier(s) of the biocidal product

##### Product supplier 1

<b>Name of supplier</b>	Aviall UK Inc.
<b>Address of supplier</b>	North Feltham Trading Estate, 680 River Gardens, Feltham, TW14 0RD

##### Product supplier 2

<b>Name of supplier</b>	Aerospheres UK Ltd.
<b>Address of supplier</b>	Unit 3 Barratt Way, Harrow, HA3 5TJ

##### Product supplier 3

<b>Name of supplier</b>	Aljac Fueling Components
<b>Address of supplier</b>	Pitfield House, Station Approach, Shepperton, TW17 8AN

##### Product supplier 4

<b>Name of supplier</b>	Sil-Mid Ltd
<b>Address of supplier</b>	Unit 1 and 2 Roman Park, Roman Way, Coleshill, B46 1HG

##### Product supplier 5

<b>Name of supplier</b>	Topcast Aviation Europe Ltd
<b>Address of supplier</b>	iMEX Centre, 575-599 Maxted Road, Hemel Hempstead, HP2 7DX

## 2. Product composition and formulation

### 2.1. Qualitative and quantitative information on the composition of the product

Common name	IUPAC name	Function	CAS number	EC number	Content (% w/w)
Substituted dioxaborinanes	Reaction mass of 2,2'-[(1-methylpropane-1,3-diyl)bis(oxy)]bis[4-methyl-1,3,2-dioxaborinane] and 2,2'-oxybis[4,4,6-trimethyl-1,3,2-dioxaborinane]	Active substance	2665-13-6 and 14697-50-8	220-198-4 and 238-749-2	95.00
Confidential - see Appendix 2		Non-active substances			5.00

### 2.2. Type of formulation

Ready-for-use liquid

### 3. Hazard and precautionary statements

It is the responsibility of the permit holder to ensure that the product is labelled in accordance with Regulation (EC) No. 1272/2008 of the 16th December 2008 (Classification, Labelling and Packaging of substances and mixtures Regulation), as it has effect in Great Britain, and include the relevant classification and labelling information from this section. The following classification and labelling information has been provided by the product manufacturer.

#### Classification of the product according to Regulation (EC) No. 1272/2008 as it applies in Great Britain (GB) (GB Classification, Labelling and Packaging of substances and mixtures Regulation (GB CLP))

<b>Hazard category</b>	Flam. Liq. 3 Eye Dam. 1 Repr. 1B
<b>Hazard statement</b>	H226: Flammable liquid and vapour. H318: Causes serious eye damage. H360: May damage fertility or the unborn child.

#### Labelling of the product according to Regulation (EC) No. 1272/2008 as it applies in Great Britain (GB) (GB Classification, Labelling and Packaging of substances and mixtures Regulation (GB CLP))

<b>Signal words</b>	Danger
<b>Hazard statements</b>	H226: Flammable liquid and vapour. H318: Causes serious eye damage. H360: May damage fertility or the unborn child.
<b>Precautionary statements</b>	P201: Obtain special instructions before use. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P308+P313: IF exposed or concerned: Get medical advice/attention. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents in accordance with local, state or national legislation.

*Note*

## 4. Permitted use

### 4.1. Use description

**Table1. Use #1 – Click or tap here to enter use name.**

<b>Product type</b>	PT06 – Preservatives for products during storage
<b>Where relevant, an exact description of the permitted use</b>	Only for use as an aviation fuel biocide to prevent or treat microbiological growth in aircraft fuel tanks and engines.
<b>Target organism(s) (including development stage)</b>	Microorganisms such as bacteria, mould and yeast – including <i>Cladosporium resinae</i> and <i>Pseudomonas aeruginosa</i>
<b>Field(s) of use</b>	In aircraft fuel tanks and engines.
<b>Application method(s)</b>	As described by the relevant Aircraft Maintenance Manual (AMM).
<b>Application rate(s) and frequency</b>	As described by the relevant Aircraft Maintenance Manual (AMM).
<b>Category(ies) of users</b>	<p>Only to be used by maintenance organisations approved in accordance with:</p> <ul style="list-style-type: none"> <li>• Regulation (EU) No 1321/2014, Annex II, Part 145 (Maintenance organisation regulations)</li> <li>• Regulation (EU) No 1321/2014, Annex I, Part M, sub Part MF (Smaller aircraft maintenance organisation regulations)</li> <li>• National regulations under BCAR (British Civil Airworthiness Requirements) Section A (CAP 553)</li> </ul>
<b>Pack sizes</b>	<p>0.946 litres (1 US quart) – 6 per case  3.8 litres (1 US gallon) – 4 per case  17.4 litres (4.6 US gallon pail)  194.6 litres (51.4 US gallon drum)  1249 litres (330 US gallon tote)</p>

## **5. Directions for use**

### **5.1. Instructions for use**

Only to be used in accordance with the appropriate Aircraft Maintenance Manuals (AMM) and product label.

### **5.2. Risk mitigation measures**

Eye protection, fuel resistant gloves and protective outerwear must be worn.

### **5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

In case of spillage, immediately contain the spill area and follow local procedures for clean-up and disposal of the material.

### **5.4. Instructions for safe disposal of the product and its packaging**

### **5.5. Conditions of storage and shelf-life of the product under normal conditions of storage**

Importers/suppliers/users of the biocidal product must comply with all relevant health and safety regulations, including those relating to transport, storage and use of the biocidal product.

## 6. Other conditions/restrictions

On becoming aware of any adverse effects of the active substance or biocidal product on humans, in particular vulnerable groups, animals or the environment, the user shall without delay inform the permit holder.

# Appendix 2: Confidential Biocidal Product Characteristics

## 1. Product composition and formulation

### 1.1. Qualitative and quantitative confidential information on the composition of the biocidal product

<i>Common name</i>	<i>IUPAC name</i>	<i>Function</i>	<i>CAS number</i>	<i>EC number</i>	<i>Content (% w/w)</i>
Tributyleneglycol bborate	2,2'-[(1-methylpropane-1,3-diyl)bis(oxy)bis[4-methyl-1,3,2-dioxaborinane]	Active substance	2665-13-6	220-198-4	67.60
Hexyleneglycol bborate	2,2'-oxybis[4,4,6-trimethyl-1,3,2-dioxaborinane]	Active substance	14697-50-8	238-749-2	27.40
Low boiling point naptha	Naptha	None (residual)	64742-89-8	265-192-2	4.50
Water	Water	None (residual)	7732-18-5	231-791-2	0.50

## 2. Other confidential biocidal product characteristics

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