

# Summary of product characteristics for a biocidal product

**Product name:** Tetol FB oldat

**Product type(s):** PT08 - Wood preservatives (Preservatives)

**Authorisation number:** HU-2020-PA-08-00282-0000

**R4BP 3 asset reference number:** HU-0021833-0000

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## Administrative information

### 1.1. Trade names of the product

Tetol FB oldat
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Tetol Kft.
	Address	Tagló u. 11-13 1097 Budapest Hungary
<b>Authorisation number</b>	HU-2020-PA-08-00282-0000	
<b>R4BP 3 asset reference number</b>	HU-0021833-0000	
<b>Date of the authorisation</b>	29/08/2020	
<b>Expiry date of the authorisation</b>	31/08/2025	

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Tetol Kft
<b>Address of the manufacturer</b>	Tagló u. 11-13 1097 Budapest Hungary
<b>Location of manufacturing sites</b>	Tagló u. 11-13 1097 Budapest Hungary

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

<b>Active substance</b>	9 - Boric acid
<b>Name of the manufacturer</b>	Eti Maden IGM
<b>Address of the manufacturer</b>	Ayvali Mah. Halil Sezai Erkut Cad. Afra Sok. No: 1/A 06010 Etlik-Keciören/Ankara Turkey
<b>Location of manufacturing sites</b>	- 10200 Bandirma/Balikesir Turkey

<b>Active substance</b>	69 - Disodium tetraborate decahydrate
<b>Name of the manufacturer</b>	Eti Maden IGM
<b>Address of the manufacturer</b>	Ayvali Mah. Halil Sezai Erkut Cad. Afra Sok. No: 1/A 06010 Etlik-Keciören/Ankara Turkey
<b>Location of manufacturing sites</b>	- 10200 Bandirma/Balikesir Turkey

## 2. Product composition and formulation

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

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Boric acid	boric acid	Active Substance	10043-35-3	233-139-2	4
Disodium tetraborate decahydrate	Disodium tetraborate decahydrate	Active Substance	1303-96-4	215-540-4	2
ammonium sulphate		Non-active substance	7783-20-2	231-984-1	9

### 2.2. Type of formulation

AL - Any other liquid
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## 3. Hazard and precautionary statements

<b>Hazard statements</b>	
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## Precautionary statements

<p>Keep out of reach of children.</p> <p>Read carefully and follow all instructions.</p> <p>Wear protective gloves.</p> <p>Wear eye protection.</p> <p>Wear face protection.</p> <p>Wear protective clothing.</p> <p>IF SWALLOWED: Call a doctor if you feel unwell.</p> <p>Dispose of contents to A tartalom elhelyezése hulladékként: a hatályos hulladékgazdálkodási törvény, valamint végrehajtási rendeleteinek megfelelően. A hulladékká vált faanyagvédőszer veszélyes hulladék. A visszamaradt faanyagvédőszer veszélyes hulladékégetőbe vagy a helyi veszélyes hulladékgyűjtő telepre kell szállítani. EWC kód: 061301*.</p> <p>Dispose of container to Az edény elhelyezése hulladékként: a hatályos hulladékgazdálkodási törvény, valamint végrehajtási rendeleteinek megfelelően. A hulladékká vált csomagolóanyag veszélyes hulladék. Az üres tárolóedényeket veszélyes hulladékégetőbe vagy a helyi veszélyes hulladékgyűjtő telepre kell szállítani. EWC kód: 15 01 10*.</p>
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## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Wood preservative for professional users

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	<p>The Tetol FB solution can be used as a flame retardant and preventive protection against fungal and insect pests on wood and wooden objects indoors and under 75% relative humidity.</p> <p>The wood must not come into contact with rainwater or ground water.</p> <p>Typical application: as a flame retardant and preventive protection for building structures (roofing materials, wooden ceilings bolsters and other structural materials).</p>
<b>Target organism(s) (including development stage)</b>	<p>Scientific name: Anobiidae: Common name: Wood boring beetles Development stage: Adults</p> <p>Scientific name: Fungi: Common name: Wood rotting fungi Development stage: Spores and spore producing structures</p>
<b>Field(s) of use</b>	Indoor
<b>Application method(s)</b>	<p>Method: Open system: brush treatment</p> <p>Detailed description:</p>

The surface of wood must be cleaned of any contamination in advance. Remove the paint from old, previously painted surfaces by used sanding and dust the surface.

Apply the Tetol FB solution undiluted. The product can only be used in a workplace equipped with a fluid-tight flooring and dip tray.

Quantity requirement for effective protection:

- against fungal and insect pests: 0.185 kg (0.16 liter)/m<sup>2</sup>

- for flame retardation: 1.38 kg (1.20 liter)/m<sup>2</sup>

- in the case of combine protection: 1.38 kg (1,20 liter)/m<sup>2</sup>

The effective quantity of product can be brushed in one layer against fungal and insect pests.

The effective quantity of product can be brushed in ten layer for flame retardation.

Must be least 4 hours drying period between layers.

Until use, the treated wood should be stored in a dry place, protected from rain water.

Method: Open system: spray treatment

Detailed description:

The surface of wood must be cleaned of any contamination in advance.

Remove the paint from old, previously painted surfaces by used sanding and dust the surface.

Apply the Tetol FB solution undiluted. The product can only be used in a workplace equipped with a fluid-tight flooring and dip tray.

Quantity requirement for effective protection:

- against fungal and insect pests: 0.185 kg (0.16 liter)/m<sup>2</sup>

- for flame retardation: 1.38 kg (1.20 liter)/m<sup>2</sup>

- in the case of combine protection: 1.38 kg (1,20 liter)/m<sup>2</sup>

The effective quantity of product can be sprayed in one layer against fungal and insect pests.

The effective quantity of product can be sprayed in ten layer for flame retardation.

Must be least 4 hours drying period between layers.

Until use, the treated wood should be stored in a dry place, protected from rain water.

Method: Open system: dip treatment

Detailed description:

Prior the treatment, mark and weigh and record the weight of the objects to be treated. Place the wood to be treated into a container and pour enough Tetol FB solution on it to cover the wood completely. If necessary, weight down the items so that they can not float to the surface or rotate them periodically during treatment. The dipping shall be continued until the wood soaks up the required quantity of protective solution. This can be verified by weigh measurements. Lift out the treated items from the solution with a metal tongs and let them drip. It is advisable to place some beams across the top of the container, so the solution drips back into the container. After dripping, check the amount of solution absorbed into the wood by weighing it.

The amount of Tetol FB solution required for effective protection:

- against fungal and insect pests: 0.185 kg/m<sup>2</sup> (0.16 liter/m<sup>2</sup>)

- for flame retardation: 1.38 kg/m<sup>2</sup> (1.20 liter/m<sup>2</sup>)

- in the case of combine protection: 1.38 kg (1,20 liter)/m<sup>2</sup>

The time requirement of the treatment varies between 8 and 24 hours, depending on the quality of the wood, its water content and type of protection desired.

If the wood has absorbed the desired amount of protective solution, lift it out from the container, allow it to drip, and then dry it at a place that is equipped with concrete flooring and is protected from rain. Ensure that rain water does not come into contact with the treated wood until its utilization.

Following the completion of the work, collect any unused Tetol FB solution (that remained in the container) in its original packaging. The remaining amount of product can be applied later on by brush or must be disposed of as hazardous waste.

During the treatment, the following personal protective equipment must be used:

- two piece protective suit

- enclosed protective footwear

- rubber gloves

- goggles or face shield

## Application rate(s) and frequencies

Application Rate: 0.16 liter/m<sup>2</sup> or 1.2 liter/m<sup>2</sup>

Dilution (%): 0

Number and timing of application:

The effectiveness of treatment should be checked every 5 years.

	<p>If necessary repeat the treatment.</p> <p>Application Rate: 0.16 liter/m<sup>2</sup> or 1.2 liter/m<sup>2</sup>  Dilution (%): 0  Number and timing of application:</p> <p>The effectiveness of treatment should be checked every 5 years.  If necessary, repeat the treatment.</p> <p>Application Rate: 0.16 liter/m<sup>2</sup> or 1.2 liter/m<sup>2</sup>  Dilution (%): 0  Number and timing of application:</p> <p>The effectiveness of treatment should be checked every 5 years.  If necessary repeat the treatment.</p>
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	<p>Bottle, Plastic: HDPE , 1 liter  Can, Plastic: HDPE , 5 liter  Can, Plastic: HDPE , 10 liter  Can, Plastic: HDPE , 50 liter  The caps of bottle and cans are polypropilene.</p>

#### 4.1.1 Use-specific instructions for use

<p>Quantity requirement for effective protection:</p> <ul style="list-style-type: none"> <li>• againts fungal and insect pests: 0.16 l/m<sup>2</sup></li> <li>• for flame retardation: 1.2 l/m<sup>2</sup></li> </ul> <p>- If you notice the presence of fungal or insect pests on the wood, must be eliminated those before of treatment.  - The moisture content of the treated wood must not exceed 15 %.  - The surface must be cleaned of any contamination in advance  - Remove the paint from old, previously painted surfaceces by sanding and dust the surface.  -Apply the Tetol FB solution undiluted.  - In case of application by brush allow a drying period of at least 4 hours between layers.  -Folowing the application of the treatment, do not perform any further works on the wood; if such works are necessary, reapply the site of the works.  - Should craks appear on the wood during drying, reapply the treatment at the site of the craks.</p> <p>Do not use the product:</p> <ul style="list-style-type: none"> <li>- outdoors, any place exposed to rain water and weather</li> <li>- the treated product must not come into contact with soil or ground water</li> <li>- for the treatment of children' s toys</li> <li>- for the treatment of wooden beehives or greenhouses</li> <li>- for the treatment of wooden surfaces in contact with food or fodder</li> </ul>
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#### 4.1.2 Use-specific risk mitigation measures

<p>Measures for the protection of human health:</p> <ul style="list-style-type: none"> <li>-Only use the product for the authorised uses !</li> <li>-The use of protective equipment (protective footwear, two-piece work wear, gloves, goggles or face mask) is recommended while applying the solution</li> <li>- Smoking and eating are prohibited while using the product!</li> <li>- In confined spaces, provide adequate ventillation of the workplace!</li> </ul>
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Environmental protection measures:

- Only use the product for the authorised uses !
- The product can only be used in a workplace equipped with a fluid-tight flooring and dip tray !
- Any drips from the product are be collected for re-use or disposal !
- Disposing of any unused product into natural water, sewage or soil is prohibited !
- Any unused product, processing waste generated during application, and the packaging are to be treated as hazardous waste. EWC-code: 06 13 01\*
- Always follow storage, transport and application instructions !
- Make an effort to fully use the product !

#### 4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

- If the product is inhaled, take the patient to fresh air, if necessary take, take them to see a doctor.
- In case of ingestion, give water and take patient to see a doctor.
- In case of eye contact, rinse the product with plenty of water for 15 minutes. If the patient wears contact lenses, they must be removed and rinse their eyes for 5 minutes. Take the patient to see a doctor.
- If the product comes in contact with skin, wash off with plenty of water.
- Make an effort to quickly collect and store in a safe container any spilled or dripped product. If this is not possible, soak up the contamination with an adequate solid material (e.g. perlite or sand), collect it and dispose safely.
- If product enters natural water in small quantity, it is quickly diluted and harmless to the environment at low concentrations.
- If large quantities enter natural water or sewage, locate the contamination as quickly as possible. The majority of the product can be removed from water using limewater. The calcium ions form a waterinsoluble residue with borate, sulphate and phosphate anions. Using this method, the contamination can be reduced below 100 ppm.
- Any contamination entering the soil can be removed with water extraction.

#### 4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

Any unused product and packaging constitute hazardous waste.  
EWC-code: 06 13 01\* (inorganic pesticides, wood preservatives and biocides)  
The hazardous waste collected is disposed of through incineration.  
Identification code of the packaging material that has become waste:  
EWC-code: 15 01 10 \* (packaging waste containing residues of or contaminated by dangerous substances)  
Identification code of treated wood that has become waste:  
EWC- code: 17 02 04 \* (glass, plastic, wood containing or contaminated with dangerous substances)

#### 4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

The product contains water soluble inorganic salts, the solubility of which is temperature-dependent.  
In order to avoid crystallisation of the product, store between +5 and +30 degree Celsius.  
During storage, keep away from strong acids, strong alkalis, oxidant and any solution containing calcium (II) or magnesium (II) ions.  
Expiration date in unopened packaging and under the storage condition specified: 2 years.

## 5. General directions for use

### 5.1. Instructions for use



Quantity requirement for effective protection:

- against fungal and insect pests: 0.16 l/m<sup>2</sup>
  - for flame retardation: 1.2 l/m<sup>2</sup>
- If you notice the presence of fungal or insect pests on the wood, must be eliminated those before of treatment.
  - The moisture content of the treated wood must not exceed 15 %.
  - The surface must be cleaned of any contamination in advance
  - Remove the paint from old, previously painted surfaces by sanding and dust the surface.
  - Apply the Tetol FB solution undiluted.
  - In case of application by brush allow a drying period of at least 4 hours between layers.
  - Following the application of the treatment, do not perform any further works on the wood; if such works are necessary, reapply the site of the works.
  - Should cracks appear on the wood during drying, reapply the treatment at the site of the cracks.
- Do not use the product:
- outdoors, any place exposed to rain water and weather
  - the treated product must not come into contact with soil or ground water
  - for the treatment of children's toys
  - for the treatment of wooden beehives or greenhouses
  - for the treatment of wooden surfaces in contact with food or fodder

## 5.2. Risk mitigation measures

Measures for the protection of human health:

- Only use the product for the authorised uses !
  - The use of protective equipment (protective footwear, two-piece work wear, gloves, goggles or face mask) is recommended while applying the solution
  - Smoking and eating are prohibited while using the product!
  - In confined spaces, provide adequate ventilation of the workplace!
- Environmental protection measures:
- Only use the product for the authorised uses !
  - The product can only be used in a workplace equipped with a fluid-tight flooring and dip tray !
  - Any drips from the product are to be collected for re-use or disposal !
  - Disposing of any unused product into natural water, sewage or soil is prohibited !
  - Any unused product, processing waste generated during application, and the packaging are to be treated as hazardous waste.
- EWC-code: 06 13 01\*
- Always follow storage, transport and application instructions !
  - Make an effort to fully use the product !

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

- If the product is inhaled, take the patient to fresh air, if necessary take, take them to see a doctor.
- In case of ingestion, give water and take patient to see a doctor.
- In case of eye contact, rinse the product with plenty of water for 15 minutes. If the patient wears contact lenses, they must be removed and rinse their eyes for 5 minutes. Take the patient to see a doctor.
- If the product comes in contact with skin, wash off with plenty of water.
- Make an effort to quickly collect and store in a safe container any spilled or dripped product. If this is not possible, soak up the contamination with an adequate solid material (e.g. perlite or sand), collect it and dispose safely.
- If product enters natural water in small quantity, it is quickly diluted and harmless to the environment at low concentrations.
- If large quantities enter natural water or sewage, locate the contamination as quickly as possible. The majority of the product can be removed from water using limewater. The calcium ions form a water-insoluble residue with borate, sulphate and phosphate anions. Using this method, the contamination can be reduced below 100 ppm.
- Any contamination entering the soil can be removed with water extraction.

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

Any unused product and packaging constitute hazardous waste.  
EWC-code: 06 13 01\* (inorganic pesticides, wood preservatives and other biocides).  
The hazardous waste collected is disposed of through incineration.

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

The product contains water soluble inorganic salts, the solubility of which is temperature-dependent.  
In order to avoid crystallisation of the product, store between +5 and +30 degree Celsius.  
During storage, keep away from strong acids, strong alkalis, oxidant and any solution containing calcium (II) or magnesium (II) ions.  
Expiration date in unopened packaging and under the storage condition specified: 2 years.

## 6. Other information