

# Summary of product characteristics for a biocidal product

**Product name:** A-TOX

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

**Authorisation number:** 179-243

**R4BP 3 asset reference number:** DK-0015030-0000

## Table Of Contents

Administrative information	1
1.1. Trade names of the product	1
1.2. Authorisation holder	1
1.3. Manufacturer(s) of the biocidal products	1
1.4. Manufacturer(s) of the active substance(s)	1
2. Product composition and formulation	2
2.1. Qualitative and quantitative information on the composition of the biocidal product	2
2.2. Type of formulation	2
3. Hazard and precautionary statements	2
4. Authorised use(s)	3
5. General directions for use	18
5.1. Instructions for use	18
5.2. Risk mitigation measures	18
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	18
5.4. Instructions for safe disposal of the product and its packaging	19
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	19
6. Other information	19

## Administrative information

### 1.1. Trade names of the product

A-TOX
-------

### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Tanaco Danmark A/S
	Address	Glentevej 11 6705 Esbjerg Ø Denmark
<b>Authorisation number</b>	179-243	
<b>R4BP 3 asset reference number</b>	DK-0015030-0000	
<b>Date of the authorisation</b>	04/04/2022	
<b>Expiry date of the authorisation</b>	01/04/2027	

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

<b>Name of the manufacturer</b>	Labo France Company
<b>Address of the manufacturer</b>	ZI LADOUX Rue bleue 63118 Cebazat France
<b>Location of manufacturing sites</b>	ZI LADOUX Rue bleue 63118 Cebazat France

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

<b>Active substance</b>	1342 - Permethrin
<b>Name of the manufacturer</b>	Tagros Chemicals Limited
<b>Address of the manufacturer</b>	72 marshalls Road Jhaver Center, Rajah Annamalai Building Egmore 600008 Tamil Nadu, Chennai India
<b>Location of manufacturing sites</b>	SIPCOT Industrial Complex, Kudikadu A4/1&2, Tamil Nadu, Cuddalore India

## 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 (%)
Permethrin		Active Substance	52645-53-1	258-067-9	2,15
3-butoxy-2-propanol	3-butoxy-2-propanol	Non-active substance	5131-66-8	225-878-4	10
isopropanol	propan-2-ol	Non-active substance	67-63-0	200-661-7	2
(2-methoxymethylethoxy)pro	(2-methoxymethylethoxy)pro	Non-active substance	34590-94-8	252-104-2	20

### 2.2. Type of formulation

ME - Micro-emulsion

## 3. Hazard and precautionary statements

### Hazard statements

May be corrosive to metals.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 Causes serious eye irritation.  
 Very toxic to aquatic life with long lasting effects.

## Precautionary statements

Avoid breathing spray.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves.
IF ON SKIN:Wash with plenty of soap and water.
IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs:Get medical advice.
If eye irritation persists:Get medical advice.
Take off contaminated clothing.And wash it before reuse.
Absorb spillage to prevent material damage.
Collect spillage.

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Preventive Insecticide treatment professionals (indoors) Spraying/Brush/Roller/Dipping

##### Product type

PT08 - Wood preservatives (Preservatives)
---

##### Where relevant, an exact description of the authorised use

Insecticide
-------------

##### Target organism(s) (including development stage)

Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae
Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage:

##### Field(s) of use

Indoor
Preventive treatment of softwood and hardwood for use in Use Class 1.

##### Application method(s)

Method: Open system: spray treatment Detailed description:
<u>Preventive treatment:</u> Add 1 L of concentrate to 9 L of clean tap water (10% dilution) Can be applied by low pressure spray at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2) Apply in 2 layers (2 X 100 g/m2)

**Application rate(s) and frequencies**

Method: Open system: brush treatment  
Detailed description:  
Preventive treatment:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution)  
Can be applied by brush/roller treatment at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2)  
Apply in 2 layers (2 X 100 g/m2.).

Method: Manual dipping  
Detailed description:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution)

Can be applied by dipping at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2).

Application Rate: 200g/m2 (2 x 100 gr/m2)  
Dilution (%): 10  
Number and timing of application:  
Can be applied by low pressure spray at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2)  
Apply in 2 layers (2 X 100 g/m2)

Application Rate: 200g/m2 (2 x 100 gr/m2)  
Dilution (%): 10  
Number and timing of application:  
Can be applied by brush/roller treatment at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2)  
Apply in 2 layers (2 X 100 g/m2.).

Application Rate: 200g/m2 (2 x 100 gr/m2)  
Dilution (%): 10  
Number and timing of application:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution)  
Can be applied by dipping at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2).  
Apply in 2 layers (2 X 100 g/m2).

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

HDPE Container/Can: up to 10 L  
HDPE container/drum: 200 L  
HDPE IBC: up to 1000 L

#### 4.1.1 Use-specific instructions for use

Before applying any preservative ensure that the areas to be treated are adequately exposed and clean, remove heavily infested wood, frass and loose dust, preferably by vacuuming. Remove any paint or varnish finishes.  
To achieve an effective treatment the product should be applied to all sides of the timber concerned.  
When treating roof spaces remove (or roll up and cover) any thermal insulation presents to provide unhindered access to joints.

#### 4.1.2 Use-specific risk mitigation measures

For mixing/loading:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall (coverall material to be specified by the authorisation holder within the product information).

For spray treatment:

use impermeable coverall and gloves (material to be specified by the authorisation holder within the product information), dispose gloves after use. A protective impermeable coverall (at least category III type 4) shall be worn (coverall material to be specified by the authorisation holder within the product information).

For brush treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

For dipping treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

chemically resistant gloves need to be used during application. Any residues should be collected and discharged as hazardous waste.

Area below the treated zone should be covered with a plastic sheet. This sheet should be disposed of after treatment.

During product application (to timbers) and whilst surfaces are drying, do not contaminate the environment. All losses of the product have to be contained by covering the ground (e.g. by tarpoline) and disposed of in a safe way.

Can be harmful to protected species such as bats, hornets or birds. The presence of protected species in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary.

#### 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

See general directions for use

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

See general directions for use

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

See general directions for use

## 4.2 Use description

### Use 2 - Curative Insecticide treatment Professionals (indoors) Injection/Brush/Roller/Spraying - H. bajulus and A. punctatum

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Insecticide
<b>Target organism(s) (including development stage)</b>	Scientific name: Hyloptrupes bajulus Common name: House longhorn beetle Development stage: Larvae  Scientific name: Anobium punctatum Common name: Common furniture beetle Development stage: Adults
<b>Field(s) of use</b>	Indoor  Curative wood treatment of wood in Use Class 1.
<b>Application method(s)</b>	Method: Open system: spray treatment Detailed description:  Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).  Low pressure spray all sides, ends, cuts, emphasizing the embedded parts and assemblies.  Apply in 3 layers at a rate of 1 L of diluted product per 3 m <sup>2</sup> of wood surface area (300 g/m <sup>2</sup> ).  3 applications (3 x 100 g/m <sup>2</sup> ).  Method: Open system: brush treatment Detailed description: Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).  Brush/Roll all sides, ends, cuts, emphasizing the embedded parts and assemblies.  Apply in 3 layers at a rate of 1 L of diluted product per 3 m <sup>2</sup> of wood surface area (300 g/m <sup>2</sup> ).

**Application rate(s) and frequencies**

3 applications (3x 100 g/m2).

Method: Open system: injection  
Detailed description:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).  
Inject deeply into rafters and elements of high section (framing lumber)  
(application of the diluted product per well, created by drilling, 3 drills per m).  
20 ml/drill for rafter of 5 m long and 20 cm width.  
30ml/drill for rafter of 7.5 m long and 30 cm width.  
One injection (one step).

No application in rooms, where fish tanks and terrariums are present. Injection/borehole filling should always be combined with superficial application of the product by brushing to ensure efficacy. Injection with an injector should not be combined with superficial application of the product by spraying.

Application Rate: 300g/m2 (3x100 g/m2)  
Dilution (%): 16.7  
Number and timing of application:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).

Apply in 3 layers at a rate of 1 L of diluted product per 3 m2 of wood surface area (300 g/m2).

3 applications (3 x 100 g/m2).

Application Rate: 300g/m2 (3 x 100 gr/m2)  
Dilution (%): 16.7%  
Number and timing of application:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).

Apply in 3 layers at a rate of 1 L of diluted product per 3 m2 of wood surface area (300 g/m2).

3 applications (3x 100 g/m2).

Application Rate: 20 ml/drill for rafter of 5 m long and 20 cm width; 30ml/drill for rafter of 7.5 m long and 30 cm width.  
Dilution (%): 16.7  
Number and timing of application:

	Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution). 20 ml/drill for rafter of 5 m long and 20 cm width. 30ml/drill for rafter of 7.5 m long and 30 cm width.
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	HDPE Container/Can: up to 10 L HDPE container/drum: 200 L HDPE IBC: up to 1000 L

#### 4.2.1 Use-specific instructions for use

Before applying any preservative ensure that the areas to be treated are adequately exposed and clean, remove heavily infested wood, frass and loose dust, preferably by vacuuming. Remove any paint or varnish finishes.  
To achieve an effective treatment the product should be applied to all sides of the timber concerned.  
When treating roof spaces remove (or roll up and cover) any thermal insulation presents to provide unhindered access to joists.

#### 4.2.2 Use-specific risk mitigation measures

For mixing/ loading:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall (coverall material to be specified by the authorisation holder within the product information)

For spray treatment:

use impermeable coverall and gloves (material to be specified by the authorisation holder within the product information), dispose gloves after use. A protective impermeable coverall (at least category III type 4) shall be worn (coverall material to be specified by the authorisation holder within the product information). Respiratory protection equipment (RPE) of protection factor of 10 should be worn during spraying.

For brush/roller treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

For injection treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

Chemically resistant gloves need to be used during application. Any residues should be collected and discharged as hazardous waste.

Area below the treated zone should be covered with a plastic sheet. This sheet should be disposed of after treatment.

During product application (to timbers) and whilst surfaces are drying, do not contaminate the environment. All losses of the product have to be contained by covering the ground (e.g. by tarpoline) and disposed of in a safe way.

Can be harmful to protected species such as bats, hornets or birds. The presence of protected species in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary.

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

See general directions for use

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

See general directions for use

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

See general directions for use

### 4.3 Use description

#### Use 3 - Preventive Insecticide treatment Trained professionals (indoors) Spraying/Brush/Roller/Dipping

##### Product type

PT08 - Wood preservatives (Preservatives)

##### Where relevant, an exact description of the authorised use

Insecticide

##### Target organism(s) (including development stage)

Scientific name: Hylotrupes bajulus L.  
Common name: House longhorn beetle  
Development stage: Larvae

Scientific name: Reticulitermes sp.  
Common name: Termites (genus Reticulitermes)  
Development stage:

##### Field(s) of use

Indoor

Preventive treatment of softwood and hardwood for use in Use Class 1.

##### Application method(s)

Method: Open system: spray treatment  
Detailed description:

##### Preventive treatment:

Add 1 L of concentrate to 9 L of clean tap water (10% dilution)  
Can be applied by low pressure spray at a rate of 1 L of diluted product per 5 m<sup>2</sup> of wood surface area (200 g/m<sup>2</sup>)  
Apply in 2 layers (2 X 100 g/m<sup>2</sup>)

**Application rate(s) and frequencies**

Method: Open system: brush treatment  
Detailed description:  
Preventive treatment:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution)  
Can be applied by brush/roller treatment at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2)  
Apply in 2 layers (2 X 100 g/m2.).

Method: Manual dipping  
Detailed description:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution)

Can be applied by dipping at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2).

Application Rate: 200g/m2 (2 x 100 gr/m2)  
Dilution (%): 10  
Number and timing of application:  
Can be applied by low pressure spray at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2)  
Apply in 2 layers (2 X 100 g/m2)

Application Rate: 200g/m2 (2 x 100 gr/m2)  
Dilution (%): 10  
Number and timing of application:  
Can be applied by brush/roller treatment at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2)  
Apply in 2 layers (2 X 100 g/m2.).

Application Rate: 200g/m2 (2 x 100 gr/m2)  
Dilution (%): 10  
Number and timing of application:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution)

Can be applied by dipping at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2).

Apply in 2 layers (2 X 100 g/m2).

**Category(ies) of users**

Trained professional

**Pack sizes and packaging material**

HDPE Container/Can: up to 10 L  
HDPE container/drum: 200 L  
HDPE IBC: up to 1000 L

**4.3.1 Use-specific instructions for use**

#### 4.3.1 Use-specific instructions for use

Before applying any preservative ensure that the areas to be treated are adequately exposed and clean, remove heavily infested wood, frass and loose dust, preferably by vacuuming. Remove any paint or varnish finishes.  
To achieve an effective treatment the product should be applied to all sides of the timber concerned.  
When treating roof spaces remove (or roll up and cover) any thermal insulation presents to provide unhindered access to joints.

#### 4.3.2 Use-specific risk mitigation measures

For mixing/ loading:  
Use gloves (material to be specified by the authorisation holder within the product information) and coverall (coverall material to be specified by the authorisation holder within the product information)  
For spray treatment:  
Use impermeable coverall and gloves (material to be specified by the authorisation holder within the product information), dispose gloves after use. A protective impermeable coverall (at least category III type 4) shall be worn (coverall material to be specified by the authorisation holder within the product information).  
For brush and dipping treatment:  
Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).  
Chemically resistant gloves need to be used during application. Any residues should be collected and discharged as hazardous waste.  
Area below the treated zone should be covered with a plastic sheet. This sheet should be disposed of after treatment.  
Treated wood should not come in contact with rain or humidity.  
During product application (to timbers) and whilst surfaces are drying, do not contaminate the environment. All losses of the product have to be contained by covering the ground (e.g. by tarpoline) and disposed of in a safe way.  
  
Can be harmful to protected species such as bats, hornets or birds. The presence of protected species in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary.

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

See general directions for use

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

See general directions for use

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

See general directions for use

#### 4.4 Use description

**Use 4 - Curative Insecticide treatment Trained Professionals (indoors) Spraying / Injection / Brush / Roller - H. bajulus and A. punctatum**

**Product type**

PT08 - Wood preservatives (Preservatives)

**Where relevant, an exact description of the authorised use**

Insecticide

**Target organism(s) (including development stage)**

Scientific name: Hyloptrupes bajulus  
Common name: House longhorn beetle  
Development stage: Larvae

Scientific name: Anobium punctatum  
Common name: Common furniture beetle  
Development stage: Adults

**Field(s) of use**

Indoor

Curative wood treatment of wood in Use Class 1.

**Application method(s)**

Method: Open system: spray treatment  
Detailed description:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).

Low pressure spray all sides, ends, cuts, emphasizing the embedded parts and assemblies.

Apply in 3 layers at a rate of 1 L of diluted product per 3 m<sup>2</sup> of wood surface area (300 g/m<sup>2</sup>).

3 applications (3 x 100 g/m<sup>2</sup>).

Method: Open system: brush treatment

Detailed description:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).

Brush/Roll all sides, ends, cuts, emphasizing the embedded parts and assemblies.

Apply in 3 layers at a rate of 1 L of diluted product per 3 m<sup>2</sup> of wood surface area (300 g/m<sup>2</sup>).

3 applications (3x 100 g/m<sup>2</sup>).

**Application rate(s) and frequencies**

Method: Open system: injection  
Detailed description:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).  
Inject deeply into rafters and elements of high section (framing lumber)  
(application of the diluted product per well, created by drilling, 3 drills per m).  
20 ml/drill for rafter of 5 m long and 20 cm width.  
30ml/drill for rafter of 7.5 m long and 30 cm width.  
One injection (one step).

No application in rooms, where fish tanks and terrariums are present. Injection/borehole filling should always be combined with superficial application of the product by brushing to ensure efficacy. Injection with an injector should not be combined with superficial application of the product by spraying.

Application Rate: 300g/m<sup>2</sup> (3x100 g/m<sup>2</sup>)  
Dilution (%): 16.7  
Number and timing of application:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).

Apply in 3 layers at a rate of 1 L of diluted product per 3 m<sup>2</sup> of wood surface area (300 g/m<sup>2</sup>).

3 applications (3 x 100 g/m<sup>2</sup>).

Application Rate: 300g/m<sup>2</sup> (3 x 100 gr/m<sup>2</sup>)  
Dilution (%): 16.7%  
Number and timing of application:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).

Apply in 3 layers at a rate of 1 L of diluted product per 3 m<sup>2</sup> of wood surface area (300 g/m<sup>2</sup>).

3 applications (3x 100 g/m<sup>2</sup>).

Application Rate: 20 ml/drill for rafter of 5 m long and 20 cm width; 30ml/drill for rafter of 7.5 m long and 30 cm width.  
Dilution (%): 16.7  
Number and timing of application:

Add 1 L of concentrate to 5 L of clean tap water (16.7% dilution).  
20 ml/drill for rafter of 5 m long and 20 cm width.

	30ml/drill for rafter of 7.5 m long and 30 cm width.
<b>Category(ies) of users</b>	Trained professional
<b>Pack sizes and packaging material</b>	HDPE Container/Can: up to 10 L HDPE container/drum: 200 L HDPE IBC: up to 1000 L

#### 4.4.1 Use-specific instructions for use

Before applying any preservative ensure that the areas to be treated are adequately exposed and clean, remove heavily infested wood, frass and loose dust, preferably by vacuuming. Remove any paint or varnish finishes.  
To achieve an effective treatment the product should be applied to all sides of the timber concerned.  
When treating roof spaces remove (or roll up and cover) any thermal insulation presents to provide unhindered access to joists.

#### 4.4.2 Use-specific risk mitigation measures

For mixing/ loading:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall (coverall material to be specified by the authorisation holder within the product information)

For spray treatment:

Use impermeable coverall and gloves (material to be specified by the authorisation holder within the product information), dispose gloves after use. A protective impermeable coverall (at least category III type 4) shall be worn (coverall material to be specified by the authorisation holder within the product information). Respiratory protection equipment (RPE) of protection factor of 10 should be worn during spraying.

For brush treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

For injection treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

Chemically resistant gloves need to be used during application. Any residues should be collected and discharged as hazardous waste.

Area below the treated zone should be covered with a plastic sheet. This sheet should be disposed of after treatment.

During product application (to timbers) and whilst surfaces are drying, do not contaminate the environment. All losses of the product have to be contained by covering the ground (e.g. by tarpoline) and disposed of in a safe way.

Can be harmful to protected species such as bats, hornets or birds. The presence of protected species in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary.

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

See general directions for use

--

**4.4.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See general directions for use
--------------------------------

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

See general directions for use
--------------------------------

**4.5 Use description**

**Use 5 - Preventive Insecticide Industry (indoors) Spraying /dipping/Flow Coating (deluge)**

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Insecticide
<b>Target organism(s) (including development stage)</b>	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae  Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage:
<b>Field(s) of use</b>	Indoor  Preventive treatment of softwood and hardwood for use in Use Class 1.
<b>Application method(s)</b>	Method: Open system: spray treatment Detailed description:  Add 1 L of concentrate to 9 L of clean tap water (10% dilution). Can be applied by low pressure spray at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2).  Apply in 2 layers (2 X 100 g/m2).  Method: Dipping Detailed description:  Add 1 L of concentrate to 9 L of clean tap water (10% dilution). Can be applied by dipping at a rate of 1 L of diluted product per 5 m2 of wood surface area (200 g/m2).  Apply in 2 layers (2 X 100 g/m2).

**Application rate(s) and frequencies**

Method: Flow coating  
Detailed description:  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution).  
Can be applied by Flow Coating (deluge) at a rate of approximately 1 L of diluted product per 5 m<sup>2</sup> of wood surface area (200 g/m<sup>2</sup>).  
  
Apply in 2 layers (2 x 100 g/m<sup>2</sup>).

Application Rate: 200g/m<sup>2</sup> (2 x 100 gr/m<sup>2</sup>)  
Dilution (%): 10  
Number and timing of application:  
  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution).  
Can be applied by low pressure spray at a rate of 1 L of diluted product per 5 m<sup>2</sup> of wood surface area (200 g/m<sup>2</sup>).  
  
Apply in 2 layers (2 X 100 g/m<sup>2</sup>).

Application Rate: 200g/m<sup>2</sup> (2 x 100 gr/m<sup>2</sup>)  
Dilution (%): 10  
Number and timing of application:  
  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution).  
Can be applied by dipping at a rate of 1 L of diluted product per 5 m<sup>2</sup> of wood surface area (200 g/m<sup>2</sup>).  
Apply in 2 layers (2 X 100 g/m<sup>2</sup>).

Application Rate: 200g/m<sup>2</sup> (2 x 100 gr/m<sup>2</sup>)  
Dilution (%): 10  
Number and timing of application:  
  
Add 1 L of concentrate to 9 L of clean tap water (10% dilution).  
Can be applied by Flow Coating (deluge) at a rate of approximately 1 L of diluted product per 5 m<sup>2</sup> of wood surface area (200 g/m<sup>2</sup>).  
Apply in 2 layers (2 x 100 g/m<sup>2</sup>).

**Category(ies) of users**

Industrial

**Pack sizes and packaging material**

HDPE Container/Can: up to 10 L  
HDPE container/drum: 200 L  
HDPE IBC: up to 1000 L

#### 4.5.1 Use-specific instructions for use

To achieve an effective treatment the product should be applied to all sides of the timber concerned.

#### 4.5.2 Use-specific risk mitigation measures

For mixing/ loading:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall (coverall material to be specified by the authorisation holder within the product information)

For flow coating/deluge treatment:

Use impermeable coverall and gloves (material to be specified by the authorisation holder within the product information), dispose gloves after use. Use new gloves for each work shift. A protective impermeable coverall (at least category III type 4) shall be worn (coverall material to be specified by the authorisation holder within the product information).

For dipping treatment:

Use gloves (material to be specified by the authorisation holder within the product information) and coverall. A protective coated coverall (at least category III type 6) shall be worn (coverall material to be specified by the authorisation holder within the product information).

For spray treatment:

Use impermeable coverall and gloves (material to be specified by the authorisation holder within the product information). A protective impermeable coverall (at least category III type 4) shall be worn (coverall material to be specified by the authorisation holder within the product information).

All industrial application processes must be carried out within a contained area situated on impermeable hard standing with bunding to prevent run-off and a recovery system in place (e.g. sump).

Freshly treated timber shall be stored after treatment under shelter on impermeable hard standing to prevent direct losses to soil, sewer or water. Any losses of the product shall be collected for reuse or disposal.

Any residues should be collected and discharged as hazardous waste.

All industrial application processes must be carried out within a contained area situated on impermeable hard standing with bunding to prevent run-off and a recovery system in place (e.g. sump).

Freshly treated timber shall be stored after treatment under shelter on impermeable hard standing to prevent direct losses to soil, sewer or water. Any losses of the product shall be collected for reuse or disposal.

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

See general directions for use

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

See general directions for use

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

See general directions for use

### **5. General directions for use**

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

See use-specific instructions for use.

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

Do not discharge the biocidal product nor the diluted solution of the biocidal product into the sewage system or the environment. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Do not use directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not use on wood which may come in direct contact with food, feeding stuff and livestock animals.

Treated wood must be must be labelled with the following warning sentence: "This wood is treated with a biocidal product containing permethrin and may cause an allergic skin reaction."

Injection/borehole filling should always be combined with superficial application of the product by brushing to ensure efficacy. Injection with an injector should not be combined with superficial application of the product by spraying due to risk for human health from the combined exposure.

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

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**Description of first aid measures**

**In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.

**In the event of splashes or contact with eyes :**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognized cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing:**

Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

**Measures to protect environment:**

Prevent any material from entering drains or waterways.

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

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

**Waste:**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

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

**Storage**

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Store between 5°C and 30°C.

Store in original container.

Shelf Life of the product: 24 months .

## 6. Other information

**Oplysninger til etiket og brugsanvisning for A-TOX, BPR-reg. nr. 179-243**

I. Etiketten skal udformes i overensstemmelse med det godkendte resumé af det biocidholdige produkts egenskaber, jf. artikel 69, stk. 1, i biocidforordningen (Forordning (EU) nr. 528/2012), og CLP-Forordningen.

II. Det er udelukkende ansøgers/godkendelsesindehaverens ansvar, at etiket, mærkning og pakning lever op til lovens krav, jf. biocidforordningen artikel 69. Etiket og mærkning skal være på dansk.

Nedenstående tekst i afsnit III er bidrag til overholdelsen af reglerne og således kun en del af de krav, som stilles til blandt andet

etiketten.

III. Etiketten skal indeholde nedenstående oplysninger. Oplysninger i citationstegn skal angives ordret:

1) I hovedfeltet:

"Træbeskyttelsesmiddel

Må kun anvendes til træbeskyttelse mod husbuk (*Hylotrupes bajulus*), almindelig borebille (*Anobium punctatum*) og termitter (*Reticulitermes* sp.) indendørs. Må kun anvendes erhvervsmæssigt. Må i boliger og erhvervsbygninger kun anvendes i rum, hvor mennesker opholder sig kortvarigt (f.eks. uudnyttede kælder- og loftsrum). Må kun anvendes i brugsklasse 1, jf. DS/EN335:2013."

2) I advarselsfeltet:

"ADVARSEL

Kan forårsage allergisk hudreaktion. (H317)

Forårsager alvorlig øjenirritation. (H319)

Forårsager hudirritation. (H315)

Meget giftig med langvarige virkninger for vandlevende organismer. (H410)

Kan ætse metaller. (H290)

Undgå indånding af spray.

Tilsmudset arbejdstøj bør ikke fjernes fra arbejdspladsen.

Undgå udledning til miljøet.

Udslip opsamles.

Bær kemisk resistente beskyttelseshandsker ved brug af produktet." Handskematerialet skal angives af godkendelsesindehaveren i produktdatabladet.

"Ved fortynding: bær beskyttelsestøj." Krav til beskyttelsestøj skal angives af godkendelsesindehaveren i produktdatabladet.

"Ved flowcoating (deluging) og manuel sprøjtning skal der bæres en beskyttende heldragt (som minimum type 4, EN14605). Nye handsker tages i brug ved hver arbejdsperiode.

Ved manuel sprøjtning på angrebet træværk er det obligatorisk at bruge åndedrætsværn med beskyttelsesfaktor 10, f.eks. mindst en halv-/helmaske med partikelfilter P2." Krav til åndedrætsværn skal angives af godkendelsesindehaveren i produktdatabladet.

"Ved påføring med pensel/rulle, manuel neddykning, injektion samt imprægnering via borehuller skal der bæres beskyttende heldragt (som minimum type 6, EN 13034).

Vask huden grundigt efter brug.

Overtrædelse af nedenstående særligt fremhævede forskrifter kan medføre straf:

Må kun anvendes til træbeskyttelse mod husbuk (*Hylotrupes bajulus*), almindelig borebille (*Anobium punctatum*) og termitter (*Reticulitermes* sp.) indendørs. Må kun anvendes erhvervsmæssigt. Må i boliger og erhvervsbygninger kun anvendes i rum, hvor mennesker opholder sig kortvarigt (f.eks. uudnyttede kælder- og loftsrum). Må kun anvendes i brugsklasse 1, jf. DS/EN335:2013.

Må kun anvendes mod termitter, når det behandlede træ skal eksporteres.

Må kun anvendes industrielt, når det behandlede træ skal eksporteres.

Må ikke anvendes mod andre skadevoldere og ikke i højere doseringer end de i brugsanvisningen nævnte.

Må kun anvendes i doseringer på 200-300 g/m<sup>2</sup> ved påføring med pensel/rulle, manuel sprøjtning, injektion, imprægnering via borehuller, manuel neddykning samt flowcoating (deluging) dagen.

Injektion må ikke kombineres med manuel sprøjtning.

Må ikke anvendes til træværk, der kommer i direkte berøring med fødevarer, foderstoffer samt dyr.

Må ikke anvendes direkte på eller i nærheden af fødevarer, foderstoffer eller drikkevarer eller på overflader eller redskaber, som kan være i direkte kontakt med fødevarer, foderstoffer, drikkevarer og dyr.

Må ikke tømmes i kloak afløb.

Kan være skadelig for beskyttede arter som flagermus, gedehamse eller fugle. Tilstedeværelsen af beskyttede arter i området, der skal behandles, skal undersøges inden brug af produktet. Anvend passende forholdsregler, hvis nødvendigt.

Opbevares utilgængeligt for børn.

Må ikke opbevares sammen med fødevarer, drikkevarer og foderstoffer.

Nyligt behandlet træ skal efter behandlingen henstilles overdækket eller på et hårdt og uigennemtrængeligt underlag for at forebygge direkte spild til jord og vand.

Eventuelt spild skal opsamles til genbrug eller bortskaffelse.

Dette træ er behandlet med et biocidholdigt produkt indeholdende permethrin og kan forårsage en allergisk hudreaktion. Ovenstående indrammede angivelse skal være tydeligt anført på et faktaark eller lignende, der følger det behandlede træ." Farepiktogrammet GHS05, GHS07 og GHS09.

Miljøstyrelsen henleder opmærksomheden på, at godkendelsesindehaver skal anføre oplysninger om førstehjælp, herunder:

VED KONTAKT MED HUDEN: Vask med rigeligt sæbe og vand. Ved hudirritation eller udslæt: Søg lægehjælp.

VED KONTAKT MED ØJNENE: Skyl forsigtigt med vand i flere minutter. Fjern eventuelle kontaktlinser, hvis dette kan gøres let. Fortsæt skylning. Ved vedvarende øjenirritation: Søg lægehjælp.

Hvis der er brug for lægehjælp, medbring da beholderen eller etiketten.

3) I deklarationsfeltet:

- a) Teksten "Træbeskyttelsesmiddel BPR-reg. nr. 179-243. Aktivstof og biocidholdigt produkt er godkendt efter biocidforordningen (Forordning (EU) nr. 528/2012)".
- b) Oplysning om præparattype: "emulsionskoncentrat" for dette præparat.
- c) Indholdet af aktivstof i vægtprocent (% w/w) og g/L ved 20°C.
- d) Sætningen: "Indeholder isopropanol, (2-methoxymethylethoxy)propanol, 3-butoxy-2-propanol."
- e) Udløbsdatoen skal anføres. Denne dato må højst være 2 år efter produktionsdatoen. Etikettens dato kan udformes som en henvisning til en produktionsdato andetsteds på emballagen.
- f) Batchnummer eller – betegnelse skal anføres.
- g) Pakningsstørrelse i L.
- h) Godkendelsesindehavers navn og adresse.

4) Brugsanvisningen:

Oplysninger om skadevoldere, anvendelsesområde og doseringer.

Følgende retningslinjer gælder i forhold til bortskaffelse.

Der skal mærkes med sikkerhedssætning P501: "Reste og emballage bortskaffes som farligt affald."

Følgende sætning skal anføres under sikkerhedssætning P501: "Ovenstående sætning er Miljøstyrelsens vejledning om affaldshåndtering af dette produkt. Følg altid kommunens affaldsregulativ og forhør dig hos kommunen, hvis du er i tvivl."