

# Summary of product characteristics for a biocidal product

**Product name:** Deltox IT

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

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**Authorisation number:** DE-0015748-08

**R4BP 3 asset reference number:** DE-0015748-0000

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## Administrative information

### 1.1. Trade names of the product

Deltox IT
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	frunol delicia GmbH
	Address	Dübener Str. 145 04509 Delitzsch Germany
<b>Authorisation number</b>	DE-0015748-08	
<b>R4BP 3 asset reference number</b>	DE-0015748-0000	
<b>Date of the authorisation</b>	21/01/2019	
<b>Expiry date of the authorisation</b>	21/01/2029	

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

<b>Name of the manufacturer</b>	frunol delicia GmbH
<b>Address of the manufacturer</b>	Dübener Straße 145 04509 Delitzsch Germany
<b>Location of manufacturing sites</b>	Dübener Straße 145 04509 Delitzsch Germany

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

<b>Active substance</b>	1342 - Permethrin
<b>Name of the manufacturer</b>	Tagros Chemicals India Limited
<b>Address of the manufacturer</b>	"Jhaver Centre", IV Floor, Rajha Annamalai Building, No. 72, Marshalls Road, Egmore 600008 Chennai India
<b>Location of manufacturing sites</b>	Tagros Chemicals India Limited A4 / 1 & 2 SIPCOT INDUSTRIAL COMPLEX, Kudikadu, - CUDDALORE; Tamil Nadu 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	0,25
Solvent	Contains: Hydrocarbons,C11- C12,isoalkanes,<2% aromatics and Aliphatic hydrocarbons C10 - C13, Hydrocarbons, C10-C13, n-alkanes, <2%				99,75

### 2.2. Type of formulation

AL -Any other liquid;; ready-to-use solvent based liquid

## 3. Hazard and precautionary statements

<b>Hazard statements</b>	<p>May be fatal if swallowed and enters airways.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>Repeated exposure may cause skin dryness or cracking.</p> <p>Contains Permethrin. May produce an allergic reaction.</p>
<b>Precautionary statements</b>	<p>Avoid release to the environment.</p> <p>Collect spillage.</p>

Dispose of contents to as hazardous waste.

Dispose of container to as hazardous waste.

IF SWALLOWED:Immediately call a POISON CENTER.

IF SWALLOWED:Immediately call a doctor.

Do NOT induce vomiting.

Store locked up.

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Use 1: Prevention of wood- destroying insects - brushing/ painting

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Only for professional users for indoor application as wood preservative. The biocidal product is a ready to use product on mineral oil basis. Use for prevention of wood-destroying insects (Use Class 1 according to EN 335-1).
<b>Target organism(s) (including development stage)</b>	Scientific name: Hylotrupes bajulus L. Common name: wood boring insects; wood boring beetles (longhorned wood borer) Development stage: larvae; larvae recently hatched
<b>Field(s) of use</b>	Indoor  Indoor use class 1 according to EN 335-1
<b>Application method(s)</b>	Brushing/ painting - -
<b>Application rate(s) and frequencies</b>	210-250 ml/m <sup>2</sup> - - -  application rate (prevention): 210-250 ml/m <sup>2</sup> ; frequency: only once
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	can/ tin; plastic: HDPE, 30 l

#### 4.1.1 Use-specific instructions for use

Application in Use class 1 (situations in which wood or wood-based product is under cover, fully protected from the weather and not exposed to wetting.)

See chapter 5.1

#### 4.1.2 Use-specific risk mitigation measures

1. Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
2. In order to keep the German OELs for Hydrocarbons, C11-C12, isoalkanes, 2% aromatics and Hydrocarbons, C10-C13, n-alkanes, 2% aromatics, the following measure shall be applied: Provide adequate ventilation (industrial ventilation or cross ventilation by keeping windows and doors open).

See chapter 5.2

#### 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 chapter 5.3

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

See chapter 5.4

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

See chapter 5.5

### 4.2 Use description

#### Use 2 - Use 2: Prevention of wood- destroying insects- spraying

##### Product type

PT08 - Wood preservatives (Preservatives)

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

Only for professional users for indoor application as wood preservative. The biocidal product is a ready to use product on mineral oil basis. Use for prevention of wood-destroying insects (Use Class 1 according to EN 335-1).

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

Scientific name: *Hylotrupes bajulus* L.  
Common name: wood boring insects; wood boring beetles (longhorned wood borer)  
Development stage: larvae; larvae recently hatched

<b>Field(s) of use</b>	Indoor  Indoor use class 1 according to EN 335-1
<b>Application method(s)</b>	Spraying - -
<b>Application rate(s) and frequencies</b>	210-250 ml/m <sup>2</sup> - - - application rate (prevention): 210-250 ml/m <sup>2</sup> ; frequency: only once
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	can/ tin; plastic: HDPE, 30 l

#### 4.2.1 Use-specific instructions for use

Application in Use class 1 (situations in which wood or wood-based product is under cover, fully protected from the weather and not exposed to wetting.)

See chapter 5.1

#### 4.2.2 Use-specific risk mitigation measures

- 1) Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
- 2) A protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information).
- 3) In order to keep the German OEL for Hydrocarbons, C11-C12, isoalkanes, 2% aromatics and Hydrocarbons, C10-C13, n-alkanes, 2% aromatics, the following measure shall be applied:

- Provide adequate ventilation (industrial ventilation or cross ventilation by keeping windows and doors open).
- Under unfavourable conditions, e.g. when large open surfaces are treated or in very small rooms, the air concentration of the Hydrocarbons may exceed the short-term OELs and require the use of additional RPE. The Type of RPE and the filter type (code letter, colour) are to be specified by the authorisation holder within the product information.

See chapter 5.2

#### 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 chapter 5.3

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

See chapter 5.4

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

See chapter 5.5

### 4.3 Use description

#### Use 3 - Use 3: Prevention of wood- destroying insects - borehole impregnation

##### Product type

PT08 - Wood preservatives (Preservatives)

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

Only for professional users for indoor application as wood preservative. The biocidal product is a ready to use product on mineral oil basis. Use for prevention of wood-destroying insects (Use Class 1 according to EN 335-1).

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

Scientific name: *Hylotrupes bajulus* L.  
Common name: wood boring insects; wood boring beetles (longhorned wood borer)  
Development stage: larvae; larvae recently hatched

##### Field(s) of use

Indoor

Indoor  
use class 1 according to EN 335-1

##### Application method(s)

Borehole impregnation -  
Borehole impregnation. Boreholes (10 ml volume) have to be placed 20 cm apart from each other along the fiber direction and 2.5 cm apart across fiber direction in a staggered pattern.

##### Application rate(s) and frequencies

10 ml/borehole (approx. 25 kg/m<sup>3</sup> sapwood) - - -

application rate (prevention): 10 ml/borehole (approx. 25 kg/m<sup>3</sup> sapwood); frequency: only once



**Category(ies) of users**

Professional

**Pack sizes and packaging material**

can/ tin; plastic: HDPE, 30 l

#### **4.3.1 Use-specific instructions for use**

Application in Use class 1 (situations in which wood or wood-based product is under cover, fully protected from the weather and not exposed to wetting.)

See chapter 5.1

#### **4.3.2 Use-specific risk mitigation measures**

See chapter 5.2

#### **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 chapter 5.3

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

See chapter 5.4

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

See chapter 5.5

#### **4.4 Use description**

**Use 4 - Use 4: Control of wood- destroying insects- brushing/ painting**

**Product type**

PT08 - Wood preservatives (Preservatives)

<b>Where relevant, an exact description of the authorised use</b>	Only for professional users for indoor application as wood preservative. The biocidal product is a ready to use product on mineral oil basis. Use for the control of wood-destroying insects.
<b>Target organism(s) (including development stage)</b>	Scientific name: Hylotrupes bajulus L. Common name: wood boring insects; wood boring beetles (longhorned wood borer) Development stage: larvae; larvae recently hatched
<b>Field(s) of use</b>	Indoor  Indoor
<b>Application method(s)</b>	Brushing/ Painting - -
<b>Application rate(s) and frequencies</b>	300-350 ml/m2 - - -  application rate (infestation): 300-350 ml/m2; frequency: only once
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	can/ tin; plastic: HDPE, 30 l

#### 4.4.1 Use-specific instructions for use

Application only in:

- a) situations in which wood or wood-based product is under cover, fully protected from the weather and not exposed to wetting.
- b) situations in which wood or wood-based product is under cover, and fully protected from the weather, but where occasional but not persistent wetting may occur.

See chapter 5.1

#### 4.4.2 Use-specific risk mitigation measures

1. Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
2. In order to keep the German OELs for Hydrocarbons, C11-C12, isoalkanes, 2% aromatics and Hydrocarbons, C10-C13, n-alkanes, 2% aromatics, the following measure shall be applied: Provide adequate ventilation (industrial ventilation or cross ventilation by keeping windows and doors open).

See chapter 5.2

#### 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 chapter 5.3

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

See chapter 5.4

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

See chapter 5.5

### 4.5 Use description

#### Use 5 - Use 5: Control of wood- destroying insects- spraying

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Only for professional users for indoor application as wood preservative. The biocidal product is a ready to use product on mineral oil basis. Use for the control of wood-destroying insects.
<b>Target organism(s) (including development stage)</b>	Scientific name: Hylotrupes bajulus L. Common name: wood boring insects; wood boring beetles (longhorned wood borer) Development stage: larvae; larvae recently hatched
<b>Field(s) of use</b>	Indoor  Indoor
<b>Application method(s)</b>	Spraying - -
<b>Application rate(s) and frequencies</b>	300-350 ml/m <sup>2</sup> - - - application rate (infestation): 300-350 ml/m <sup>2</sup> ; frequency: only once
<b>Category(ies) of users</b>	Professional

## Pack sizes and packaging material

can/ tin; plastic: HDPE, 30 l

### 4.5.1 Use-specific instructions for use

Application only in:

- a) situations in which wood or wood-based product is under cover, fully protected from the weather and not exposed to wetting.
- b) situations in which wood or wood-based product is under cover, and fully protected from the weather, but where occasional but not persistent wetting may occur.

See chapter 5.1

### 4.5.2 Use-specific risk mitigation measures

- 1) Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
- 2) A protective coverall (at least type 3 or 4, EN 14605) which is impermeable for the biocidal product shall be worn (coverall material to be specified by the authorisation holder within the product information).
- 3) In order to keep the German OEL for Hydrocarbons, C11-C12, isoalkanes, 2% aromatics and Hydrocarbons, C10-C13, n-alkanes, 2% aromatics, the following measure shall be applied:
  - Provide adequate ventilation (industrial ventilation or cross ventilation by keeping windows and doors open).
  - Under unfavourable conditions, e.g. when large open surfaces are treated or in very small rooms, the air concentration of the Hydrocarbons may exceed the short-term OELs and require the use of additional RPE. The Type of RPE and the filter type (code letter, colour) are to be specified by the authorisation holder within the product information.

See chapter 5.2

### 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 chapter 5.3

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

See chapter 5.4

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

See chapter 5.5

## 4.6 Use description

### Use 6 - Use 6: Control of wood- destroying insects- borehole impregnation

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Only for professional users for indoor application as wood preservative. The biocidal product is a ready to use product on mineral oil basis. Use for the control of wood-destroying insects.
<b>Target organism(s) (including development stage)</b>	Scientific name: Hylotrupes bajulus L. Common name: wood boring insects; wood boring beetles (longhorned wood borer) Development stage: larvae; larvae recently hatched
<b>Field(s) of use</b>	Indoor  Indoor
<b>Application method(s)</b>	Borehole impregnation - Borehole impregnation. Boreholes (10 ml volume) have to be placed 20 cm apart from each other along the fiber direction and 2.5 cm apart across fiber direction in a staggered pattern.
<b>Application rate(s) and frequencies</b>	10 ml/borehole (approx. 25 kg/m <sup>3</sup> sapwood) - - -  application rate (infestation): 10 ml/borehole (approx. 25 kg/m <sup>3</sup> sapwood); frequency: only once
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	can/ tin; plastic: HDPE, 30 l

#### 4.6.1 Use-specific instructions for use

Application only in:

- a) situations in which wood or wood-based product is under cover, fully protected from the weather and not exposed to wetting.
- b) situations in which wood or wood-based product is under cover, and fully protected from the weather, but where occasional but not persistent wetting may occur.

See chapter 5.1

#### 4.6.2 Use-specific risk mitigation measures

See chapter 5.2

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

See chapter 5.3

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

See chapter 5.4

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

See chapter 5.5

## 5. General directions for use

### 5.1. Instructions for use

1) Application must be conducted by professionals only.

### 5.2. Risk mitigation measures

- 1) The product must only be applied on wood which is not in direct contact with food or feedstuff for animals.  
2) Keep children and pets away from treated surfaces until dried.  
3) Application by professionals must be conducted within a contained area (indoors in a well-ventilated area or outdoors under roof).  
4) Access of the general public to treated areas only after sufficient ventilation.  
5) This product contains Hydrocarbons, C11-C12, isoalkanes, 2% aromatics (CAS No.: -, EC No:-) and Hydrocarbons, C10-C13, n-alkanes, 2% aromatics (CAS No.: -, EC No:-), for which German OELs are in force.  
6) The following personal risk mitigation measures shall be applied unless they can be replaced by technical and / or organisational measures:  
For subsequent manual processing of treated wood, chemical resistant gloves (EN 374) must be worn.  
7) Freshly treated timber must be stored after treatment under shelter and/or on impermeable hard standing to prevent direct losses to soil or water and any losses must be collected for reuse or disposal.  
8) Can be harmful to non-target organisms such as bats, hornets or birds. The presence of protected organisms in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary.

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

- 1) Pyrethroids may cause paresthesia (burning and prickling of the skin without irritation). If symptoms persist: Get medical advice.
- 2) IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting

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

- 1) Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer. Discharge to wastewater by cleaning of equipment is not allowed.

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

- 1) The biocidal product has to be stored in dry, cool and dark conditions. The product must not be stored at higher temperatures and it has to be protected from frost.
- 2) Shelf-life: 24 months

## 6. Other information

1. Avoid prolonged contact of pets, particularly cats, to treated surfaces.
2. Due to technical deficits of the SPC editor I have to list the following points currently at this point of the SPC:

#### 3 Hazard and precautionary statements

##### Hazard statements

- H304 May be fatal if swallowed and enters airways.  
H410 Very toxic to aquatic life with long lasting effects  
EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains permethrin. May produce an allergic reaction.

##### Precautionary statements

- P273 Avoid release to the environment  
P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTRE or doctor / physician. Do NOT induce vomiting  
P391 Collect spillage  
P405 Store locked up  
P501 Dispose of content / container as hazardous waste