

EN

*ANNEX*

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

Product 1

**Product type(s)**

PT08: Wood preservatives

**Authorisation number:** IE/BPA 70813 1-2

**R4BP asset number:** IE-0025173-0006

## 1. ADMINISTRATIVE INFORMATION

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

Trade name(s)	not marketed
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	Kurt Obermeier GmbH
	Address	Berghäuser Straße 70 57319 Bad Berleburg Germany
Authorisation number	IE/BPA 70813 1-2	
<i>R4BP asset number</i>	IE-0025173-0006	
Date of the authorisation	02/10/2020	
Expiry date of the authorisation	02/10/2025	

### 1.3. Manufacturer(s) of the product

Name of manufacturer	Kurt Obermeier GmbH
Address of manufacturer	Berghäuser Straße 70 D-57319 Bad Berleburg Germany
Location of manufacturing sites	Berghäuser Straße 70 D-57319 Bad Berleburg Germany

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

Active substance	Permethrin
Name of manufacturer	LANXESS Deutschland GmbH Material Protection Products
Address of manufacturer	Kennedyplatz 1 50569 Köln Germany
Location of manufacturing sites	Bayer Vapi Private Ltd. Plot 306/3, II Phase GIDC Vapi 396 195 Gujarat India

Active substance	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
Name of manufacturer	LANXESS Deutschland GmbH Material Protection Products
Address of manufacturer	Kennedyplatz 1 D 50569 Köln Germany
Location of manufacturing sites	Syngenta Crop Protection Corp Schwarzwaldallee 215 CH 4002 Basel Switzerland

Active substance	tebuconazole
Name of manufacturer	LANXESS Deutschland GmbH Material Protection Products
Address of manufacturer	Kennedyplatz 1 D 50569 Köln Germany
Location of manufacturing sites	Bayer CropScience Corp. P.O. Box 4913 Hawthorn Road 64120-001 Kansas City MO United States (the)

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## 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 (%)
Permethrin		active substance	52645-53-1	258-067-9	1,34
1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)		active substance	60207-90-1	262-104-4	0,75
tebuconazole	1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	active substance	107534-96-3	403-640-2	0,78
Amines, coco alkyldimethyl, N-oxides	-	Non-active substance	61788-90-7	263-016-9	3,75
Phosphoric acid	Phosphoric acid	Non-active substance	7664-38-2	231-633-2	0,26
butyldiglycol	2-(2-butoxyethoxy)ethanol	Non-active substance	112-34-5	203-961-6	1,5
Dipropylene glycol monomethyl ether	(2-methoxymethylethoxy)propanol	Non-active substance	34590-94-8	252-104-2	0,75

### 2.2. Type(s) of formulation

Soluble concentrate (SL): meta-SPC 1 and meta-SPC 2; Any other liquid (AL): meta-SPC 3

### 3. HAZARD AND PRECAUTIONARY STATEMENTS

<p>Hazard statements</p>	<p>H317: May cause an allergic skin reaction.</p> <p>H318: Causes serious eye damage.</p> <p>H400: Very toxic to aquatic life.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p> <p>H360D: May damage the unborn child.</p>
<p>Precautionary statements</p>	<p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P261: Avoid breathing spray.</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves.</p> <p>P280: Wear protective clothing.</p> <p>P280: Wear eye protection.</p> <p>P280: Wear face protection.</p> <p>P310: Immediately call a POISON CENTER.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of soap and water.</p> <p>P333+P313: If skin irritation or rash occurs: Get medical attention.</p> <p>P361+P364: Take off immediately all contaminated clothing and wash it before reuse.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P501: Dispose of contents to appropriate disposal.</p> <p>P308+P313: IF exposed or concerned: Get medical advice.</p> <p>P405: Store locked up.</p>

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. Vacuum pressure treatment by industrials**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Basidiomycetes: Common name: wood rotting fungi Development stage: hyphae  Scientific name: Hylotrupes bajulus L. Common name: house longhorn beetle Development stage: larvae  Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: no data
Field(s) of use	indoor use  Indoor application in industrial sites Outdoor use only (including roof constructions, exterior doors and windows). The product is not allowed to be used in living areas. Preventive softwood and hardwood preservation in use class 1 (not including living areas) and 2. Preventive softwood preservation in use class 3
Application method(s)	Method: Vacuum pressure impregnation  Detailed description: vacuum pressure treatment by industrials
Application rate(s) and frequency	Application rate: Use class 1: 1,8 kg/m <sup>3</sup> Use class 2: 3,7 kg/m <sup>3</sup> Use class 3: 5,8 kg/m <sup>3</sup>  Dilution (%): Dilute the product with water before use in order to receive the following dilutions: Use class 1: 1-2 % Use class 2: 2-4% Use class 3: 3,2-6%  Number and timing of application: The application rates are applied in 1 application.
Category(ies) of users	industrial
Pack sizes and packaging material	Can, IBC, : HDPE (opaque) 10 / 15/ 20 / 600 / 1000 [L]

#### 4.1.1. Use-specific instructions

Dilute the product with water before use in order to receive the following dilutions:

Use class 1: 1 - 2 %

Use class 2: 2 - 4%

Use class 3: 3,2 - 6%

The dilution of the concentrated products with water and transfer of the impregnation solutions to the treatment vessels for vacuum pressure impregnation is done automated by connecting lines.

After the vacuum pressure impregnation process, the door of the receiving vessel is opened and the treated wood is transferred using lift trucks to a storage area where it can be placed to dry.

#### 4.1.2. Use-specific risk mitigation measures

#### 4.1.3. Use-specific risk mitigation measures

Use protective clothing (double coverall), gloves, eye and face protection and chemically resistant footwear (EN 13832) during mixing and loading of the concentrated products.

Use gloves and protective coverall (double coverall) during the handling of the treated timber, contact with the treatment vessels and maintenance of machinery.

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.

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 or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and that any losses of the product shall be collected for reuse or disposal.

Treated wood should not be intended for uses involving contact with food, feed or livestock.

#### 4.1.4. 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.

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

See general directions for use.

#### 4.1.6. 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

**Table 2. Automated dipping by industrials**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Basidiomycetes: Common name: wood rotting fungi Development stage: hyphae  Scientific name: Hylotrupes bajulus L. Common name: house longhorn beetle Development stage: larvae  Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: no data
Field(s) of use	indoor use  Indoor application in industrial sites Outdoor use only (including roof constructions, exterior doors and windows). The product is not allowed to be used in living areas. Preventive softwood and hardwood preservation in use class 1 (not including living areas) and 2. Preventive softwood preservation in use class 3
Application method(s)	Method: Automated dipping  Detailed description: Automated dipping by industrials.

Application rate(s) and frequency	Application rate: without protection against termites: Use class 1: 5 g/m <sup>2</sup> Use class 2: 7.4 g/m <sup>2</sup> Use class 3: 11.6 g/m <sup>2</sup> (with topcoat); 30 g/m <sup>2</sup> (without topcoat) • with protection against termites: Use class 1: 10 g/m <sup>2</sup> Use class 2: 10 g/m <sup>2</sup> Use class 3: 15 g/m <sup>2</sup> (wit...  Dilution (%): Dilute the product with water before use in order to receive the following dilutions: Without protection against termites Use class 1: 2 - 5 % Use class 2: 3 - 7.4% Use class 3: 4.6 - 12% (with topcoat) 16 - 20% (without topcoat...  Number and timing of application: The application rates are applied in 1 application.
Category(ies) of users	industrial
Pack sizes and packaging material	Can, IBC: HDPE (opaque) 10 / 15 / 20 / 600 / 1000 [L]

#### 4.2.1. Use-specific instructions

Dilute the product with water before use in order to receive the following dilutions:

##### Without protection against termites

Use class 1: 2 - 5 %  
Use class 2: 3 - 7.4%  
Use class 3: 4.6 - 12% (with topcoat)  
16 - 20% (without topcoat)

##### With protection against termites

Use class 1: 4 - 10 %  
Use class 2: 4 - 10 %  
Use class 3: 6 - 15 % (with topcoat)  
16 - 20% (without topcoat)

The dilution of the concentrated products with water and transfer of the impregnation solutions to the dipping tank or bathing tray for automated dipping is done automated by connecting lines.

For automated dipping, an operator using a fork-lift truck lowers the wood into the dipping tank or transfers the wood to a bathing tray. Automated dipping is an automated process. After the treatment, the wood is lifted out by the fork-lift truck. The wood is then transferred by the fork-lift truck to a storage area where it is placed to dry.

#### 4.2.2. Use-specific risk mitigation measures

#### 4.2.3. Use-specific risk mitigation measures

Use protective clothing (double coverall), gloves, eye and face protection and chemically resistant footwear (EN 13832) during mixing and loading of the concentrated products.

Use gloves and protective coverall (double coverall) during the handling of the treated timber and maintenance of the dipping tank or bathing tray.

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.

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 or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and that any losses of the product shall be collected for reuse or disposal.

Treated wood should not be intended for uses involving contact with food, feed or livestock.

#### 4.2.4. 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

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

See general directions for use



#### 4.2.6. 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

**Table 3. Automated spraying by industrials**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	<p>Scientific name: Basidiomycetes: Basidiomycetes: Common name: wood rotting fungi Development stage: hyphae</p> <p>Scientific name: Hylotrupes bajulus L. Common name: house longhorn beetle Development stage: larvae</p> <p>Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoor application in industrial sites Outdoor use only (including roof constructions, exterior doors and windows). The product is not allowed to be used in living areas. Preventive softwood and hardwood preservation in use class 1 (not including living areas) and 2. Preventive softwood preservation in use class 3</p>
Application method(s)	<p>Method: Automated spraying</p> <p>Detailed description: Automated spraying in closed systems by industrials</p>
Application rate(s) and frequency	<p>Application rate: without protection against termites: Use class 1: 5 g/m<sup>2</sup> Use class 2: 7.4 g/m<sup>2</sup> Use class 3: 11.6 g/m<sup>2</sup> (with topcoat); 30 g/m<sup>2</sup> (without topcoat) • with protection against termites: Use class 1: 10 g/m<sup>2</sup> Use class 2: 10 g/m<sup>2</sup> Use class 3: 15 g/m<sup>2</sup> (wit...</p> <p>Dilution (%): Dilute the product with water before use in order to receive the following dilutions: Without protection against termites Use class 1: 2 - 5 % Use class 2: 3 - 7.4% Use class 3: 4.6 - 12% (with topcoat) 16 - 20% (without topcoat...</p> <p>Number and timing of application: The application rates are applied in 1 application.</p>
Category(ies) of users	industrial
Pack sizes and packaging material	Can, IBC: HDPE(opaque) , 10 / 15 / 20 / 600 / 1000 [L]

##### 4.3.1. Use-specific instructions

Dilute the product with water before use in order to receive the following dilutions:

###### Without protection against termites

Use class 1: 2 - 5 %

Use class 2: 3 - 7.4%

Use class 3: 4.6 - 12% (with topcoat)

16 - 20% (without topcoat)

With protection against termites

Use class 1: 4 - 10 %

Use class 2: 4 - 10 %

Use class 3: 6 - 15 % (with topcoat)

16 - 20% (without topcoat)

The dilution of the concentrated products with water and transfer of the impregnation solutions to the spraying chamber for automated spraying is done automated by connecting lines.

Automated spraying is an automated process. After the wood preservation by automated spraying, the treated wood is transferred by the fork-lift truck to a storage area where it is placed to dry.

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

#### **4.3.3. Use-specific risk mitigation measures**

Use protective clothing (double coverall), gloves, eye and face protection and chemically resistant footwear (EN 13832) during mixing and loading of the concentrated products.

Use gloves and protective coverall (double coverall) during the handling of the treated timber and maintenance of the machinery.

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.

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 or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and that any losses of the product shall be collected for reuse or disposal.

Treated wood should not be intended for uses involving contact with food, feed or livestock

#### **4.3.4. 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

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

See general directions for use

#### **4.3.6. 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**

**Table 4. Manual dipping by industrials and professionals**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Basidiomycetes: Common name: wood rotting fungi Development stage: hyphae  Scientific name: Hylotrupes bajulus L. Common name: house longhorn beetle Development stage: larvae  Scientific name: Reticulitermes sp.

	Common name: Termites (genus Reticulitermes) Development stage: no data
Field(s) of use	indoor use  Indoor application in industrial sites Outdoor use only (including roof constructions, exterior doors and windows). The product is not allowed to be used in living areas. Preventive softwood and hardwood preservation in use class 1 (not including living areas) and 2. Preventive softwood preservation in use class 3
Application method(s)	Method: Manual dipping  Detailed description: Manual dipping
Application rate(s) and frequency	Application rate: without protection against termites: Use class 1: 5 g/m <sup>2</sup> Use class 2: 7.4 g/m <sup>2</sup> Use class 3: 11.6 g/m <sup>2</sup> (with topcoat); 30 g/m <sup>2</sup> (without topcoat) • with protection against termites: Use class 1: 10 g/m <sup>2</sup> Use class 2: 10 g/m <sup>2</sup> Use class 3: 15 g/m <sup>2</sup> (wit...  Dilution (%): Dilute the product with water before use in order to receive the following dilutions: Without protection against termites Use class 1: 2 - 5 % Use class 2: 3 - 7.4% Use class 3: 4.6 - 12% (with topcoat) 16 - 20% (without topcoat...  Number and timing of application: The application rates are applied in 1 application.
Category(ies) of users	industrial ; trained professional ; professional
Pack sizes and packaging material	Can, IBC: HDPE (opaque), 10 / 15 / 20 / 600 / 1000 [L]

#### 4.4.1. Use-specific instructions

Dilute the product with water before use in order to receive the following dilutions:

##### Without protection against termites

Use class 1: 2 - 5 %

Use class 2: 3 - 7.4%

Use class 3: 4.6 - 12% (with topcoat)  
16 - 20% (without topcoat)

##### With protection against termites

Use class 1: 4 - 10 %

Use class 2: 4 - 10 %

Use class 3: 6 - 15 % (with topcoat)  
16 - 20% (without topcoat)

The dilution of the concentrated products with water and transfer of the impregnation solutions to the dipping tank for manual dipping is done automated by connecting lines or manually.

During manual dipping, the operator lifts and places – by hand – the wooden article into the dipping tank. The operator then pushes, using a post, the wooden article under the wood preservative in the dipping tank and/or uses a broom to brush the wood preservative onto the wooden article (the article is still in the dipping tank as the preservative is brushed on the wood). The operator then lifts manually the wooden article from the dipping tank and stacks the article to dry.

#### 4.4.2. Use-specific risk mitigation measures

#### 4.4.3. Use-specific risk mitigation measures

Use protective clothing, gloves, eye and face protection and chemically resistant footwear (EN 13832) during mixing and loading of the concentrated products.

Use gloves and protective coverall (coated coverall) during the manual dipping process.

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.

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 or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and that any losses of the product shall be collected for reuse or disposal.

Treated wood should not be intended for uses involving contact with food, feed or livestock.

**4.4.4. 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

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

See general directions for use

**4.4.6. 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**

**Table 5. Flow coating (deluging) by industrials**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	<p>Scientific name: Basidiomycetes: Basidiomycetes: Common name: wood rotting fungi Development stage: hyphae</p> <p>Scientific name: Hylotrupes bajulus L. Common name: house longhorn beetle Development stage: larvae</p> <p>Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoor application in industrial sites Outdoor use only (including roof constructions, exterior doors and windows). The product is not allowed to be used in living areas. Preventive softwood and hardwood preservation in use class 1 (not including living areas) and 2. Preventive softwood preservation in use class 3</p>
Application method(s)	<p>Method: Flow coating (deluging)</p> <p>Detailed description: Flow coating</p>
Application rate(s) and frequency	<p>Application rate: without protection against termites: Use class 1: 5 g/m<sup>2</sup> Use class 2: 7.4 g/m<sup>2</sup> Use class 3: 11.6 g/m<sup>2</sup> (with topcoat); 30 g/m<sup>2</sup> (without topcoat) • with protection against termites: Use class 1: 10 g/m<sup>2</sup> Use class 2: 10 g/m<sup>2</sup> Use class 3: 15 g/m<sup>2</sup> (wit...</p> <p>Dilution (%): Dilute the product with water before use in order to receive the following dilutions: Without protection against termites Use class 1: 2 - 5 % Use class 2: 3 - 7.4% Use class 3: 4.6 - 12% (with topcoat) 16 - 20% (without topcoat...</p> <p>Number and timing of application:</p>

	The application rates are applied in 1 application.
Category(ies) of users	industrial
Pack sizes and packaging material	Can, IBC: HDPE (opaque) 10 / 15 / 20 / 600 / 1000 [L]

#### **4.5.1. Use-specific instructions**

Dilute the product with water before use in order to receive the following dilutions:

##### Without protection against termites

Use class 1: 2 - 5 %

Use class 2: 3 - 7.4%

Use class 3: 4.6 - 12% (with topcoat)  
16 - 20% (without topcoat)

##### With protection against termites

Use class 1: 4 - 10 %

Use class 2: 4 - 10 %

Use class 3: 6 - 15 % (with topcoat)  
16 - 20% (without topcoat)

The dilution of the concentrated products with water and transfer of the impregnation solutions to the receiving vessel for flow coating (deluging) is done automated by connecting lines.

During flow coating, timber is passed through an enclosed tunnel in which the preservative is applied. The device is open at both sides, i.e. front and back side. Timber enters through the front side and the treated timber comes out dripping wet through the back side. After the flooding process treated timber is conducted through a drying channel, where the wooden articles are dried with a warm air stream.

#### **4.5.2. Use-specific risk mitigation measures**

#### **4.5.3. Use-specific risk mitigation measures**

Use protective clothing, gloves, eye and face protection and chemically resistant footwear (EN 13832) during mixing and loading of the concentrated products.

Use gloves and protective coverall (coated coverall) during the handling of the treated timber and maintenance of the machinery.

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.

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 or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and that any losses of the product shall be collected for reuse or disposal.

Treated wood should not be intended for uses involving contact with food, feed or livestock.

#### **4.5.4. 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

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

See general directions for use

#### **4.5.6. 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

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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 5.1. Instructions for use

see respective use-specific instructions for use provided above

### 5.2. Risk mitigation measures

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

Avoid prolonged contact of pets, particularly cats, to treated surfaces.

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

#### Description of first aid measures

**General information:** Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

**Following inhalation:** Remove casualty to fresh air and keep warm and at rest. Provide fresh air.

**In case of skin contact:** After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

**After eye contact:** Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion:** Do NOT induce vomiting. Rinse mouth thoroughly with water.

**Self-protection of the first aider:** First aider: Pay attention to self-protection!

**Information to physician:** Treatment: Treat symptomatically.

#### Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Causes serious eye damage.

**Indication of any immediate medical attention and special treatment needed:** None

**Protective measures:** Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

**Pyrethroids and pyrethrins may cause paresthesia (burning and prickling of the skin without irritation).**

**If symptoms persist: Get medical advice.**

#### Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Take the precautions customary when handling chemicals. Use personal protection equipment.

**Environmental precautions:** Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

**Methods and material for containment and cleaning up:** Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

#### Stability and reactivity:

**Reactivity:** No dangerous reactions known.

**Chemical stability:** The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions: No dangerous reactions known.

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

Waste disposal according to Directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Handle contaminated packages in the same way as the substance itself.

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

24 months shelf-life

Keep/store only in the original container protected from frost and direct sunlight. Keep/store below 30°C.

Protect containers against damage.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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## **6. OTHER INFORMATION**

The products of the BPF can be delivered in 30,000L stainless steel, grade 304 or higher, bulk container for transport by road.