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ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

SARPECO 9-PLUS

Product type(s)

PT08: Wood preservatives

Authorisation number: BE2019-0017

R4BP asset number: BE-0015709-0000

1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	SARPECO 9-PLUS PREV'CONSTRUCT PLUS RESISTOL 6216 RESISTOL 6217 AXIL 3000 P+
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1.2. Authorisation holder

Name and address of the authorisation holder	Name	BERKEM DEVELOPPEMENT
	Address	643 ROUTE DE GAGEAC 24680 Gardonne France
Authorisation number	BE2019-0017	
<i>R4BP asset number</i>	BE-0015709-0000	
Date of the authorisation	25/04/2019	
Expiry date of the authorisation	28/07/2025	

1.3. Manufacturer(s) of the product

Name of manufacturer	ADKALIS
Address of manufacturer	Marais Ouest F-24680 Gardonne France
Location of manufacturing sites	ADKALIS site 1 Marais Ouest F-24680 Gardonne France

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

Active substance	3-iodo-2-propynylbutylcarbamate (IPBC)
Name of manufacturer	LANXESS Deutschland GmbH
Address of manufacturer	Kennedyplatz 1 D-50569 Köln Germany
Location of manufacturing sites	LANXESS Deutschland GmbH site 1 Shanghai Hui long Chemicals Co., Ltd, Dengta Jiazhu Rd. 201815 District Shanghai China

Active substance	3-iodo-2-propynylbutylcarbamate (IPBC)
Name of manufacturer	Troy Chemical Company BV
Address of manufacturer	Uiverlaan 12e 3140 AC Maasluis Netherlands (the)
Location of manufacturing sites	Troy Chemical Company BV site 1 One Avenue L Newark 07105 New Jersey United States (the)

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
Address of manufacturer	Kennedyplatz 1 D-50569 Köln Germany

Location of manufacturing sites	LANXESS Deutschland GmbH site 1 CH-1870 Monthey, CH-1870 Monthey Switzerland
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Active substance	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
Name of manufacturer	JANSSEN PMP
Address of manufacturer	Turnhoutseweg 30 2340 Beerse Belgium
Location of manufacturing sites	JANSSEN PMP site 1 North Area of Dongsha Chem-Zone Zhangjiagang 215600 Jiangsu China

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

Active substance	Permethrin
Name of manufacturer	LANXESS Deutschland GmbH
Address of manufacturer	Kennedyplatz 1 D-50569 Köln Germany
Location of manufacturing sites	LANXESS Deutschland GmbH site 1 Bilag Industries Limited, Plot #306/3, II Phase, GIDC, Vapi 396 195 Gujarat India

Active substance	Permethrin
Name of manufacturer	Caldic Denmark A/S (Acting for TAGROS Chemicals India Ltd)
Address of manufacturer	Odinsvej 23 DK-8722 Hedensted Denmark
Location of manufacturing sites	Caldic Denmark A/S (Acting for TAGROS Chemicals India Ltd) site 1 Tagros Chemicals India Limited, A4/1&2, SIPCOT Industrial Complex, 600 008 Kudikadu, Cuddalore, Tamil Nadu India

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 (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		active substance	55406-53-6	259-627-5	1 % (w/w)
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	1,1 % (w/w)
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	1,1 % (w/w)
Permethrin		active substance	52645-53-1	258-067-9	2 % (w/w)
Alcohol C11, ethoxylated	C11-Oxoalcohol, ethoxylated	Non-Active substance			3,56 % (w/w)

2.2. Type(s) of formulation

ME Micro-emulsion

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>H360D: May damage the unborn child.</p> <p>H373: May cause damage to organs larynx through prolonged or repeated exposure {1:state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard:}.</p> <p>H400: Very toxic to aquatic life.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p>
<p>Precautionary statements</p>	<p>P201: Obtain special instructions before use.</p> <p>P260: Do not breathe vapours.</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 clothing.</p> <p>P302+P352: IF ON SKIN: Wash with plenty of water.</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>P308+P313: IF exposed or concerned: Get medical advice.</p> <p>P310: Immediately call a POISON CENTER.</p> <p>P314: Get medical advice if you feel unwell.</p> <p>P333+P313: If skin irritation or rash occurs: Get medical advice.</p> <p>P362+P364: Take off contaminated clothing and wash it before reuse.</p> <p>P391: Collect spillage.</p> <p>P405: Store locked up.</p> <p>P501: Dispose of contents to be in conformity with local, national and international regulatory rules.</p> <p>P501: Dispose of container to be in conformity with local, national and international regulatory rules.</p>

4. AUTHORISED USE(S)

4.1. Use description

Table 1. Preventive treatment for professional users and industrial users

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	<p>The SARPECO 9-PLUS product is effective against wood-destroying insects including termites and wood destroying fungi (white rot and brown rot fungi) in preventive treatment.</p> <ul style="list-style-type: none"> - Wood boring insects (representative insect: <i>Hylotrupes bajulus</i>, recently hatched larvae) - Termites (<i>Reticulitermes santonensis</i> de Feytaud) - White rot fungi (<i>Coriolis versicolor</i>) - Brown rot fungi (<i>Coniophora puteana</i>, <i>Poria placenta</i>, <i>Gloeophyllum trabeum</i>)
Target organism(s) (including development stage)	<p>Scientific name: <i>Hylotrupes bajulus</i> L. Common name: house longhorn beetle Development stage: larvae</p> <p>Scientific name: <i>Reticulitermes</i> sp. Common name: termites Development stage: no data</p> <p>Scientific name: <i>Coniophora puteana</i> Common name: wood rotting fungi Development stage: spores and spore producing structures</p> <p>Scientific name: <i>Poria placenta</i> Common name: wood rotting fungi Development stage: spores and spore producing structures</p> <p>Scientific name: <i>Gloeophyllum trabeum</i> Common name: wood rotting fungi Development stage: spores and spore producing structures</p> <p>Scientific name: <i>Coriolus versicolor</i> Common name: wood rotting fungi Development stage: spores and spore producing structures</p>
Field(s) of use	<p>indoor use</p> <ul style="list-style-type: none"> - Use class 1: situation in which the wood or wood-based product is inside a construction, not exposed to the weather and wetting - Use class 2: situation in which the wood or wood-based product is under cover and not exposed to the weather (particularly rain and driven rain) but where occasional, but non persistent, wetting can occur - Use class 3: situation in which wood or wood-based product is above ground and exposed to the weather (particularly rain). <ul style="list-style-type: none"> o 3.1: wood or wood-based products will not remain wet for long periods. Water will not accumulate o 3.2: wood and wood-based products will remain wet for long periods. Water may accumulate. (For use class 3.2 only application by vacuum pressure (autoclave) is authorized)
Application method(s)	Method: Fully automated spraying

	<p>Detailed description: The product SARPECO 9-PLUS could be applied for a surface treatment by fully automated spraying. The product is intended to be diluted at 5% w/w in water for use class 1; at 6.5% w/w in water for use class 2; at 6.5% w/w and at 14.5% w/w in water for use class 3.1 for, respectively, softwood and hardwood. The application rate of the diluted product is 100 g/m². Method: fully automated dipping</p> <p>Detailed description: The product SARPECO 9-PLUS could be applied for a surface treatment by fully automated dipping. Surface treatment: The product is intended to be diluted at 5% w/w in water for use class 1; at 6.5% w/w in water for use class 2; at 6.5% w/w and at 14.5% w/w in water for use class 3.1 for, respectively, softwood and hardwood. The application rate of the diluted product is 100 g/m². Method: Vacuum pressure (autoclave)</p> <p>Detailed description: The product SARPECO 9-PLUS could be applied for an penetrative treatment by vacuum pressure (autoclave). Penetrative treatment: For softwood, the product is intended to be diluted 0.8% w/w in water for use class 1, 2, 3.1 and 3.2. The application rate of the diluted product is 600 kg/m³ of wood. For hardwood, the product is intended to be diluted 1.45% w/w in water for use class 1, 2, 3.1 and 3.2. The application rate of the diluted product is 500 kg/m³ of wood. Method: Fully automated industrial brushing</p> <p>Detailed description: The product SARPECO 9-PLUS could be applied for a surface treatment by fully automated industrial brushing and industrial manual brushing indoors. The product is intended to be diluted at 5% w/w in water for use class 1; at 6.5% w/w in water for use class 2; at 6.5% w/w and at 14.5% w/w in water for use class 3.1 for, respectively, softwood and hardwood. The application rate of the diluted product is 100 g/m².</p>
Application rate(s) and frequency	<p>Application rate: 100 g/m²</p> <p>Number and timing of application: 1 application .</p> <p>Application rate: 100 g/m²</p> <p>Number and timing of application: 1 application</p> <p>Application rate: 600 kg/m³ of wood for softwood and 500 kg/m³ of wood for hardwood</p> <p>Number and timing of application: 1 application.</p> <p>Application rate: 100 g/m²</p>

	Number and timing of application: 1 application
Category(ies) of users	industrial ; professional
Pack sizes and packaging material	Can /Tin, Plastic: HDPE , 25L Drum, Plastic: HDPE , 60L Drum, Plastic: HDPE , 220L IBC (intermediate bulk container), Plastic: HDPE , 640L IBC (intermediate bulk container), Plastic: HDPE , 1000L

4.1.1. Use-specific instructions

The product Sarpeco 9-Plus can be applied only by fully automated dipping and fully automated spraying, industrial manual brushing and fully automated industrial brushing for surface treatment. It can also be applied by vacuum pressure (autoclave) for penetrative treatment.

For the process of industrial manual brushing indoor, the product is applied manually indoor with a brush by industrial operators wearing appropriate and suitable personal protective equipment.

Industrial manual brushing indoor process is used for:

- The treatment of large wooden structures, which cannot be treated in existing fully automated industrial installations (dipping tank, flow-coat, ...) for technical reasons linked to the dimensions of the wooden element.
- The treatment of wooden element which undergoes one or more cuts after treatment, requiring the application of a treatment product to protect these areas which are no longer protected

Homogenize before use.

The fixation step, following the application is at minimum 4 hours.

The treated wood has to be dried during 24 to 48 hours in ventilated place.

Wood intended to be used in outdoors has to be protected by a resistant paint or varnish.

4.1.2. Use-specific risk mitigation measures

Appropriate and suitable personal protective equipment (PPE) is required: chemical resistant gloves and impermeable coverall:

- Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
- Wear impermeable coverall during product handling phase (norms specified by the authorisation holder within the product information).
- In addition, wear safety goggles when handling concentrated product.

Use in fully automated dipping processes where all steps in the treatment and drying process are mechanised and no manual handling takes place, including when the treated articles are transported through the dip tank to the draining/drying and storage (if not already surface dry before moving to storage). Where appropriate, the wooden articles to be treated must be fully secured (e.g. via tension belts or clamping devices) prior to treatment and during the dipping process, and must not be manually handled until the treated articles are surface dry. The untreated wood may only be lowered by a separate lifting unit into the dipping tank.

Use in fully automated spraying process where all steps in the treatment and drying process are mechanised and no manual handling takes place, including when the treated articles are transported through the spraying process place to the draining/drying and storage (if not already surface dry before moving to storage). Where appropriate, the wooden articles to be treated must be fully secured (e.g. via tension belts or clamping devices) prior to treatment and during the spraying process and must not be manually handled until the treated articles are surface dry.

Use in fully automated industrial brushing where all steps in the treatment and drying process are mechanised and no manual handling takes place, including when the treated articles are transported through the spraying process place to the draining/drying and storage (if not already surface dry before moving to storage). Where appropriate, the wooden articles to be treated must be fully secured (e.g. via tension belts or clamping devices) prior to treatment and during the spraying process, and must not be manually handled until the treated articles are surface dry. Use in manual industrial brushing where all steps in the treatment and drying process are performed indoor. No outdoor use is allowed.

Contact with the skin is to be avoided as the product may produce an allergic reaction.

Do not combine different types of application.

Do not apply the product on wood which may come into contact with food, feedstuff or livestock
Treated wood should not be intended for uses involving contact with food, feed or livestock.

Contain permethrin (pyrethroids), may be lethal to cats. Cats must avoid contact with treated object/area.

Pyrethroids may cause paresthesia (burning and prickling of the skin without irritation). If symptoms persist:
Get medical advice.

Prevent any release to the environment during the product application phase as well as during the storage and the transport of treated timber.

- All 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).
- 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.
- 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

Any contaminated water/soil shall be collected, contained and treated as hazardous waste

Any losses from the application of the product shall be collected for reuse or disposal.

Treated wood should not be intended for uses close or above surface water.

A non-biocidal topcoat must be applied on treated wood used outdoor, above ground (use class 3) to avoid leaching of active substances.

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

First aid in general:

Move the affected person into fresh air. Keep warm and at rest. In case of suspected poisoning, you must immediately call a doctor. Tell the doctor that no specific antidote is known, a symptomatic treatment is necessary. NEVER give anything by the mouth to an unconscious person.

General safety and hygiene measures:

Observe the precautions generally taken with chemicals.

If inhaled:

In case of massive inhalation move the patient into the fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration and call a doctor. Give nothing by the mouth.

In case of contact with eyes:

Wash thoroughly with soft, clean water during 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

In case of skin contact:

In case of allergic reaction, seek a medical advice.

Remove contaminated clothing and shoes and wash thoroughly contaminated body parts and hair with soap and water. Destroy or thoroughly clean the soiled clothes and shoes before each re-use.

IF ON SKIN: Wash with plenty of water

In case of swallowing:

If the swallowed quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Remain at rest. Do not induce vomiting.

Consult a doctor and show him the label.

In case of accidentally swallowing, call a doctor to judge the necessity for monitoring and for a subsequent treatment in hospital. Show the label.

Emergency measures to protect the environment:

Do not discharge the product into drains or into the environment. Prevent entry into waters or soil.

Contain spills by covering with absorbing material.

Store absorbing material used to absorb spills in drums for waste disposal.

Prevent all product entry into drains or waterways.

Place containers or drums for disposal of waste recovered in accordance with applicable regulations.

If the product contaminates waterways, lakes, rivers or drains, alert the competent authorities in accordance with regulatory procedures into force.

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

Completely empty containers. The product residue, washing water, packaging and any other waste related to the treatment should be considered as hazardous waste.

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.

Dispose of empty containers in an incinerator approved for chemicals by the competent authorities. Damaged containers should be placed in specially marked larger ones. Check possibilities of recycling large empty containers.

Codes of wastes (Decision 2001/573/EC; Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):
030205 other wood preservatives containing dangerous substances.

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

Storage conditions: Keep container tightly closed in original package in a dry and well-ventilated place. Protect from light.

The contact with oxidizing agents has to be avoided.

At ambient temperature the product has a long term stability for 24 months and is stable under cold and accelerated storage conditions.

5. GENERAL DIRECTIONS FOR USE¹

5.1. Instructions for use

See 4.1.1

5.2. Risk mitigation measures

See 4.1.2

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

See 4.1.3

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

See 4.1.4

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

See 4.1.5

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

6. OTHER INFORMATION

1. "Do not apply the product on wood which may come into contact with food, feedstuff or livestock"
2. "Contain permethrin (pyrethroids), may be lethal to cats. Cats must avoid contact with treated object/area"
3. The 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.
4. Application should be conducted within a contained area on impermeable hard standing with bunding and any losses from the application of the product should be collected for reuse or disposal.
5. A non-biocidal topcoat must be applied on treated wood used outdoor, above ground (use class 3.1 and 3.2) to avoid leaching of active substances.