

Summary of product characteristics for a biocidal product

Product name: XILIX GEL

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

PT08 - Wood preservatives (Preservatives)

Authorisation number: BE2018-0007

R4BP 3 asset reference number: BE-0015710-0000

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Administrative information

1.1. Trade names of the product

XILIX GEL

1.2. Authorisation holder

Name and address of the authorisation holder	Name	BERKEM DEVELOPPEMENT
	Address	Marais Ouest 24680 Gardonne France
Authorisation number	BE2018-0007	
R4BP 3 asset reference number	BE-0015710-0000	
Date of the authorisation	14/06/2018	
Expiry date of the authorisation	01/05/2028	

1.3. Manufacturer(s) of the biocidal products

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

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

Active substance	1342 - Permethrin
Name of the manufacturer	LANXESS Deutschland GmbH
Address of the manufacturer	Kennedyplatz 1 D-50569 Köln Germany
Location of manufacturing sites	Bayer Vapi Private Limited, Plot # 306/3 II Phase, GIDC Vapi – 396 195 Gujarat India

Active substance	1342 - Permethrin
Name of the manufacturer	TAGROS Chemicals India Ltd
Address of the manufacturer	Marshalls road, Egmore Chennai-600 008 Tamil Nadu India
Location of manufacturing sites	A4 / 1 & 2 SIPCOT INDUSTRIAL COMPLEX, PACHAYANKUPPAM 607 005 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	0,51

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	<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>
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	Very toxic to aquatic life.
Precautionary statements	<p>Avoid release to the environment.</p> <p>Collect spillage.</p> <p>Dispose of contents to be in accordance with local, regional, national and international regulations.</p> <p>Dispose of container to be in accordance with local, regional, national and international regulations.</p>

4. Authorised use(s)

4.1 Use description

Use 1 - Preventive treatment

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	The product XILIX GEL is used in preventive insecticide (comprising action against termites) surface treatment.
Target organism(s) (including development stage)	<p>Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae</p> <p>Scientific name: Anobium punctatum De Geer Common name: Common furniture beetle Development stage: Larvae</p> <p>Scientific name: Reticulitermes sp. Common name: Termites Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>Use class 1: situation in which the wood or wood-based product is inside a construction, not exposed to the weather and wetting</p>
Application method(s)	<p>Spraying - Surface treatment: spraying The ready to use product is moved from the drum to the wood to be treated through the spraying system.</p> <p>For preventive insecticide treatment, the application rate of the ready-to-use product is 48 g/m². This corresponds to env. 0.24 g of permethrin per square meter of wood. For preventive termiticide treatment, the application rate for the ready-to-use product is 162 g/m². This corresponds to env. 0.82 g of permethrin per square meter of wood.</p>
Application rate(s) and frequencies	48 - 162 g/m ² - - - /

Category(ies) of users

Professional

Pack sizes and packaging material

Can /Tin, Metal: Iron with internal epoxy-phenolic varnish layer, 0.75L
Can /Tin, Metal: Iron with internal epoxy-phenolic varnish layer, 5L
Bucket, Metal: Iron with internal epoxy-phenolic varnish layer, 12L
Bucket, Metal: Iron with internal epoxy-phenolic varnish layer, 22L

4.1.1 Use-specific instructions for use

The product can be applied by spraying.

For preventive insecticide (including termites) treatment, the application rate of the product is 162 g/m². This corresponds to env. 0.82 g of permethrin per square meter of wood.

The product is a Ready-To-Use product, no further dilution is required.

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.

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.

4.1.2 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).

Do not apply the product on wood which may come into contact with food, feedstuff 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.

Keep children and pets away from treated surfaces until dried.

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 tarpaulin) and disposed of in a safe way.

Remove fish tanks and terrariums or protect them from exposure and disconnect their electrical devices.

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

Likely direct or indirect adverse effects:

- Irritation of skin, eyes, mucous membranes, gastrointestinal and respiratory tract.
- Skin sensitization or an allergic reaction may occur in sensitive individual.
- Pulmonary systemic effects
- Functional CNS disturbances.

First aid measures:

- Call or ask for help calling your local poison control center [Insert local number here] and follow steps bellow while awaiting further instructions.

- Relocate the individual from the exposure source and remove any contaminated/spattered clothing articles, avoiding exposure to yourself and others
 - Eye exposure; ALWAYS check for and remove contact lenses, wash eyes with plenty of water with eye lids open for at least 15 minutes.
 - Skin contact; wash affected area with plenty of water and soap, NO scrubbing.
 - In case mouth contact or ingestion; Do NOT induce vomiting unless told to do so by poison control center operator or health care professional.
 - Keep the individual calm and at rest, conserve body temperature and control breathing. If necessary check for pulse and initiate artificial respiration.
 - NEVER administer liquids/solids orally to an impaired or unconscious individual; place individual in left sideways position with the head lowered and the knees bent.
 - If necessary take the person to a healthcare center, bring packaging or label whenever possible.
- NEVER LEAVE THE AFFECTED INDIVIDUAL UNATTENDED!

Advice for medical and healthcare personnel:

- Monitor vital signs and provide symptomatic and supportive treatment.
 - Always discard pulmonary aspiration and provide airway protection if necessary.
- WHEN ASKING FOR MEDICAL ADVICE KEEP PACKAGING OR LABEL AT HAND AND CALL YOUR LOCAL POISON CONTROL CENTER [INSERT LOCAL NUMBER HERE].

Emergency measures to protect the environment:

- Do not discharge the biocidal product nor the diluted solution of the biocidal product into the sewage system or the environment
- Contain and recover all leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth 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 and humidity.

Keep away from heat and sources of ignition.

Shelf-life: 24 months

4.2 Use description

Use 2 - Curative treatment

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	The product XILIX GEL is used in curative insecticide surface treatment.
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Lyctus brunneus Common name: Powder post beetles Development stage: Larvae Scientific name: Anobium punctatum De Geer Common name: Common furniture beetle Development stage: Larvae
Field(s) of use	Indoor Wood in conditions of use class 1 (indoor)
Application method(s)	Spraying and in-situ injection - In-situ injection: In-situ injection is intended to be always used in combination with superficial treatment. The ready to use product is moved from the drum to the wood to be treated through the injection system. Sparying: The ready to use product is moved from the drum to the wood to be treated through the spraying system.
Application rate(s) and frequencies	142 g/m ² - / - For <u>curative insecticide</u> treatment, the product can be applied with the application rate of 142 g/m ² . This corresponds to env. 0.72 g of permethrin per square meter of wood. For in situ injection the parameters are: 20 ml/hole, 3 holes/linear m, 9 holes/m ²
Category(ies) of users	Professional
Pack sizes and packaging material	Can /Tin, Metal: Iron with internal epoxy-phenolic varnish layer, 0.75LCan /Tin, Metal: Iron with internal epoxy-phenolic varnish layer, 5LBucket, Metal: Iron with internal epoxy-phenolic varnish layer, 12LBucket, Metal: Iron with internal epoxy-phenolic varnish layer, 22L

4.2.1 Use-specific instructions for use

The product can be applied by spraying and in situ injection.
For **curative insecticide** treatment, the product can be applied with the application rate of 142 g/m². This corresponds to env. 0.72 g of permethrin per square meter of wood.
For in situ injection the parameters are: 20 ml/hole, 3 holes/linear m, 9 holes/m²
The product is a Ready-To-Use product, no further dilution is required.
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.

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

4.2.2 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).

Do not apply the product on wood which may come into contact with food, feedstuff 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.

Keep children and pets away from treated surfaces until dried.

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 tarpaulin) and disposed of in a safe way.

Remove fish tanks and terrariums or protect them from exposure and disconnect their electrical devices.

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

Likely direct or indirect adverse effects:

- Irritation of skin, eyes, mucous membranes, gastrointestinal and respiratory tract.
- Skin sensitization or an allergic reaction may occur in sensitive individual.
- Pulmonary aspiration hazard.
- Functional CNS disturbances.

First aid measures:

- Call or ask for help calling your local poison control center [Insert local number here] and follow steps bellow while awaiting further instructions.
 - Relocate the individual from the exposure source and remove any contaminated/spattered clothing articles, avoiding exposure to yourself and others
 - Eye exposure; ALWAYS check for and remove contact lenses, wash eyes with plenty of water with eye lids open for at least 15 minutes.
 - Skin contact; wash affected area with plenty of water and soap, NO scrubbing.
 - In case mouth contact or ingestion; Do NOT induce vomiting unless told to do so by poison control center operator or health care professional.
 - Keep the individual calm and at rest, conserve body temperature and control breathing. If necessary check for pulse and initiate artificial respiration.
 - NEVER administer liquids/solids orally to an impaired or unconscious individual; place individual in left sideways position with the head lowered and the knees bent.
 - If necessary take the person to a healthcare center, bring packaging or label whenever possible.
- NEVER LEAVE THE AFFECTED INDIVIDUAL UNATTENDED!

Advice for medical and healthcare personnel:

- Monitor vital signs and provide symptomatic and supportive treatment.
- Always discard pulmonary aspiration and provide airway protection if necessary.

WHEN ASKING FOR MEDICAL ADVICE KEEP PACKAGING OR LABEL AT HAND AND CALL YOUR LOCAL POISON CONTROL CENTER [INSERT LOCAL NUMBER HERE].

Emergency measures to protect the environment:

Do not discharge the biocidal product nor the diluted solution of the biocidal product into the sewage system or the environment.

Contain and recover all leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth 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.

4.2.4 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.

4.2.5 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 and humidity.

Keep away from heat and sources of ignition.

Shelf-life: 24 months

5. General directions for use

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

6. Other information

The product is only to be used on wood or wood-based products which are inside a construction, not exposed to the weather and wetting.

As this is not possible to add the UIPIAC name of permethrin in section "product information", the UIPIAC name of permethrin is noted here : 3-phenoxybenzyl(1RS)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate