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ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

FENOX

Product type(s)

PT18: Insecticides, acaricides and products to control other arthropods

Authorisation number: FR-2017-0081

R4BP asset number: FR-0012463-0000

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1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	FENOX FIVEX LE 30 TENEXINE EMULSTIQUE 300 PHOBI FENOX PHOBI-E ETO CONCENTRATE ULV ETOF 300 CONCENTRE ETOFENPROX 300 ETHOS 30 EC
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1.2. Authorisation holder

Name and address of the authorisation holder	Name	LODI S.A.S.
	Address	Parc d'Activités des Quatre Routes 35390 Grand Fougeray France
Authorisation number	FR-2017-0081	
<i>R4BP asset number</i>	FR-0012463-0000	
Date of the authorisation	27/09/2017	
Expiry date of the authorisation	29/11/2027	

1.3. Manufacturer(s) of the product

Name of manufacturer	LODI SAS
Address of manufacturer	Parc d'Activités des Quatre Routes 35390 Grand Fougeray France
Location of manufacturing sites	LODI SAS site 1 Parc d'Activités des Quatre Routes 35390 Grand Fougeray France

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

Active substance	etofenprox
Name of manufacturer	Mitsui chemicals crop & life solutions, inc
Address of manufacturer	Nihonbashi Dia Building, 1-19-1, Nihonbashi 103-0027 Chuo-ku, Tokyo Japan
Location of manufacturing sites	Mitsui chemicals crop & life solutions, inc site 1 Omuta Works, 30 Asamuta-cho, Omita 836-8610 Fukuoka Japan

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 (%)
etofenprox	3-phenoxybenzyl-2-(4-ethoxyphenyl)-2-methylpropylether	active substance	80844-07-1	407-980-2	29,34

2.2. Type(s) of formulation

EC Emulsifiable concentrate

3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H362: May cause harm to breast-fed children. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P201: Obtain special instructions before use. P260: Do not breathe spray. P263: Avoid contact during pregnancy and while nursing. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P308+P313: IF exposed or concerned: Get medical advice. P273: Avoid release to the environment. P391: Collect spillage. P501: Dispose of container to accordance with local requirements..

4. AUTHORISED USE(S)

4.1. Use description

Table 1. Professional users – Crawling insects including cockroaches and stored goods attacking insects

Product type	PT18: Insecticides, acaricides and products to control other arthropods
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: <i>B. germanica</i> Common name: cockroaches Development stage: adults</p> <p>Scientific name: <i>B. germanica</i> Common name: cockroaches Development stage: nymphs</p> <p>Scientific name: <i>B. orientalis</i> Common name: cockroaches Development stage: nymphs</p> <p>Scientific name: <i>B. orientalis</i> Common name: cockroaches Development stage: adults</p> <p>Scientific name: <i>Tribolium confusum</i> Common name: confused flour beetle Development stage: adults</p> <p>Scientific name: <i>Sitophilus oryzae</i> Common name: Rice weevil Development stage: adults</p> <p>Scientific name: <i>Rhyzopertha dominica</i> Common name: lesser grain borer Development stage: adults</p> <p>Scientific name: <i>Oryzaephilus surinamensis</i> Common name: sawtoothed grain beetle Development stage: adults</p> <p>Scientific name: <i>Lasioderma serricorne</i> Common name: Tobacco beetle Development stage: larvae</p> <p>Scientific name: Crawling insects including cockroaches Common name: Crawling insects including cockroaches Development stage: adults</p> <p>Scientific name: Crawling insects including cockroaches Common name: Crawling insects including cockroaches Development stage: nymphs</p>
Field(s) of use	<p>indoor use</p> <p>Indoor (institutions, food industries, in domestic areas)</p>
Application method(s)	Method: spraying

	Detailed description: Surface spraying
Application rate(s) and frequency	<p>Application Rate: 0.5 mL/m²</p> <p>Dilution (%): 0.5 mL of product diluted in 50 mL water for 1 m²</p> <p>Number and timing of application: 0.5 mL/m²</p> <p>The product is used diluted in water at a rate of 0.5 mL of product diluted in 50 mL water for 1 m².</p> <p>The dilution rate of 1% corresponds to dissolving of 1 sachet (5 ml) in 500 ml of water (this volume covers the area of 10 m²) and that 50 ml of the thus diluted product is to be applied to 1m².</p> <p>The biocidal effect appears in few minutes.</p> <p>The residual efficacy is up to 2 weeks when applied against stored goods attacking insects and up to 12 weeks when applied against cockroaches.</p> <p>2 applications per year maximum.</p>
Category(ies) of users	professional
Pack sizes and packaging material	<p>Bottle : HDPE, PET or HDPE/EVOH* : to 1 L</p> <p>5 mL, 10 mL or 25 mL in water soluble sachets (PVA: polyvinyl Alcohol) packed in Box Polystyrene which contains 250 mL (50 sachets of 5 mL, 25 sachets of 10 mL or 10 sachets of 25 mL).</p> <p>*EVOH = PVA : Polyvinyl alcohol</p>

4.1.1. Use-specific instructions for use

- Take into account the life cycle and characteristics of target insects to adapt treatments. In particular, target the most susceptible stage of the pest, timing of applications and areas to be treated.
- Adopt integrated pest management methods such as the combination of chemical, physical control methods and other public health measures, taking into account local specificities (climatic conditions, target species, conditions of use, etc.).
- Avoid exclusive repeated use of insecticides from the same chemical subgroup which for etofenprox is IRAC subgroup 3A,
- Alternate products containing active substances with different mode of action (i.e. from other IRAC Mode of Action groups).
- The product has to be applied only on restricted areas on surfaces not regularly cleaned, that can be an harbourage for target organisms for example: behind or under the fridge, under the kitchen sink, under the oven or the water heater, in all cracks and crevices.

4.1.2. Use-specific risk mitigation measures

- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) during mixing and loading phase.
- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), impermeable coverall and a respiratory mask (APF 4) during product spraying phase.
- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) and coated coverall during the cleaning of spray equipment.

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

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

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

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4.2. Use description

Table 2. Professional users – Bed bugs

Product type	PT18: Insecticides, acaricides and products to control other arthropods
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Cimex lectularius Common name: bed bug Development stage: adults Scientific name: Cimex lectularius Common name: bed bug Development stage: nymphs
Field(s) of use	indoor use Indoor (institutions, food industries, in domestic areas)
Application method(s)	Method: spraying Detailed description: Surface spraying
Application rate(s) and frequency	Application Rate: 0.5 mL/m ² Dilution (%): 0.5 mL of product diluted in 50 mL water for 1 m ² Number and timing of application: 0.5 mL/m ² . The product is used diluted in water at a rate of 0.5 mL of product diluted in 50 mL water for 1 m ² . The dilution rate of 1% corresponds to dissolving of 1 sachet (5 ml) in 500 ml of water (this volume covers the area of 10 m ²) and that 50 ml of the thus diluted product is to be applied to 1m ² . A second application is needed after 15 days. Eradication is obtained one week after the second application. The biocidal effect appears in few minutes. The residual efficacy is up to 12 weeks when applied against bed bugs. 2 applications per year maximum.
Category(ies) of users	professional
Pack sizes and packaging material	Bottle : HDPE, PET or HDPE/EVOH* : to 1 L 5 mL, 10 mL or 25 mL in water soluble sachets (PVA : polyvinyl Alcohol) packed in Box Polystyrene which contains 250 mL (50 sachets of 5 mL, 25 sachets of 10 mL or 10 sachets of 25 mL). *EVOH = PVA : Polyvinyl alcohol

4.2.1. Use-specific instructions for use

- Take into account the life cycle and characteristics of target insects to adapt treatments. In particular, target the most susceptible stage of the pest, timing of applications and areas to be treated.
- Adopt integrated pest management methods such as the combination of chemical, physical control methods and other public health measures, taking into account local specificities (climatic conditions, target species, conditions of use, etc.).
- Avoid exclusive repeated use of insecticides from the same chemical subgroup which for etofenprox is IRAC subgroup 3A,
- Alternate products containing active substances with different mode of action (i.e. from other IRAC Mode of Action groups).

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- The product has to be applied only on restricted areas on surfaces not regularly cleaned, that can be harbourage for bed bugs, for example: on the bedspring, on the feet of the bed, under furnitures, along plinths, behind headboard, on the wall behind the bed, furnitures and all crack and crevices.

4.2.2. Use-specific risk mitigation measures

- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) during mixing and loading phase.
- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), impermeable coverall and a respiratory mask (APF 4) during product spraying phase.
- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information) and coated coverall during the cleaning of spray equipment.
- For bedding, the application should be restricted to the bed frame and box spring.
- Do not treat the mattress, bed linen and pillows.
- The mattress, bed linen and pillows must be treated by other methods.

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

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

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

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5. GENERAL DIRECTIONS FOR USE¹

5.1. Instructions for use

- Inform the authorization holder if the treatment is ineffective.
- Do not clean the treated area until the treatment is finished (up to 12 weeks with regard to the target organisms).
- Always dissolve the whole sachets for the application.

5.2. Risk mitigation measures

- The product should not be applied in zone accessible to children and to pets.
- If it is applied on rooms accessible to children, children should not access treated areas until all necessary treatments and cleaning have been finalized.
- Remove all food, feed and drinks prior to treatment.
- Do not apply 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.
- To avoid indirect contamination during nearby application, cover all surfaces and facilities likely to be in contact with food, feed, drinks and animals.

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

- IF EXPOSED OR CONCERNED: Get medical advice/attention.
- IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.
- IF SWALLOWED: If symptoms occur call a POISON CENTRE or a doctor.
- IF ON SKIN: Wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.
- IF IN EYES: If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.
- Keep the container or label available.

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

- Do not discharge unused products into water courses, into pipes (sink, toilets...) nor down the drains.
- Dispose of unused product, its packaging and all other waste in accordance with local regulations.

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

- Self-life of 3 years in the commercial packaging

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

6. OTHER INFORMATION

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