

Summary of product characteristics for a biocidal product

Product name: Biopren 4 GR mosquito larvicide granule

Product type(s): PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

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Authorisation number: RO/2020/0292/MRP/ IT/2020/00613/21.01.2020

R4BP 3 asset reference number: RO-0026501-0000

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Administrative information

1.1. Trade names of the product

Biopren 4 GR Mosquito Larvicide granule
Biopren 4 GR szúnyoglárva irtó granulátum
Biopren 4 GR Mosquito Larvicide granule
Biopren 4 GR Mosquito Larvicide granule
Biopren 4 GR Mosquito Larvicide granule

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Bábolna Bioenvironmental Centre Ltd.
	Address	Szállás u. 6. H-1107 Budapest Hungary
Authorisation number	RO/2020/0292/MRP/ IT/2020/00613/21.01.2020	
R4BP 3 asset reference number	RO-0026501-0000	
Date of the authorisation	22/12/2020	
Expiry date of the authorisation	31/01/2030	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Babolna Bio Ltd
Address of the manufacturer	Szállás utca 6 1107 Budapest Hungary
Location of manufacturing sites	Köves J. u 1 2943 Bábolna Hungary

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

Active substance	1386 - S-Methoprene
Name of the manufacturer	Babolna Bio Ltd
Address of the manufacturer	Szállás u. 6 1107 Budapest Hungary
Location of manufacturing sites	Szállás u 6 1107 Budapest Hungary

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 (%)
S-Methoprene		Active Substance	65733-16-6		0,4
Polyethylene glycol (15)-hydroxystearate		Non-active substance	70142-34-6		0,232

2.2. Type of formulation

GR - Granule

3. Hazard and precautionary statements

Hazard statements

Contains Polyethyleneglycol-15-hydroxystearat. May produce an allergic reaction.

Precautionary statements

Keep out of reach of children.
Wear protective gloves.
IF ON SKIN:Wash with plenty of

4. Authorised use(s)

4.1 Use description

Use 1 - PCO

Product type

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

Where relevant, an exact description of the authorised use

BIOPREN 4 GR is an S-methoprene (juvenile hormone analogue) based insect growth regulator for prevention of mosquito emergence.

Target organism(s) (including development stage)

Scientific name: Culicidae:
Common name: Culex mosquitoes
Development stage: Larvae

Scientific name: Culicidae:
Common name: Aedes mosquitoes
Development stage: Larvae

Field(s) of use

Outdoor

Water holding features be treated:

- areas covered with inland waters
- sewage works pools
- flooded area
- infiltration pool
- unused pools
- marshlands

and any other water reservoir except for drinking water.

Application method(s)

Method: Spreading
Detailed description:
To achieve maximum efficacy, start the treatment before the entry of the mosquito season, as soon as the first larvae appear. Check the breeding site in advance for size of the water surface and depth of water, and apply the necessary dosages per hectare given in the label by a hand-held equipment or granule diffuser mounted on ground vehicle.

Application rate(s) and frequencies

Application Rate: Dosage: (kg/hectare) depends on the type of breeding site: Clean (flooded area) 2 kg/hectare (water depth 30 cm) 3 kg/hectare(water depth > 30 cm) Slightly contaminated (marshy, swampy area) 3 kg/hectare(water depth 30 cm) 4 kg/hectare(water depth > 30 cm) Highly contaminated (sewer treatment plant pool) 4 kg/hectare(water depth 30 cm) 5 kg/hectare(water depth > 30 cm)
Dilution (%): 0
Number and timing of application:
Depends on the rate of infestation.

Category(ies) of users

Industrial
Trained professional
Professional

Pack sizes and packaging material

Bag /Sack - Paper, cardboard - 10, 15, 20, 25 kg in paper bag
Bag /Sack - PP or HDPE - 10,15,20,25 kg in plastic bag
Box - Paper, cardboard - 100, 200, 250, 500, 750, 1000, 1500, 2000 grams in foil layered carton box
Box - PP or HDPE - 0.5, 0.75, 1,1.5, 2,3,4,5,6,7,8,9,10,12.5, 15, 20, 25 kg in plastic bucket
Bottle - PP or HDPE - 100, 200, 250, 500, 1000 grams in plastic container

4.1.1 Use-specific instructions for use

NA

4.1.2 Use-specific risk mitigation measures

When preparing product for use wear elbow-length PVC gloves.
If applying by hand wear elbow-length PVC gloves.
After each day's use, wash gloves.

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

NA

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

NA

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

NA

4.2 Use description

Use 2 - Amateur

Product type

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

Where relevant, an exact description of the authorised use

BIOPREN 4 GR is an S-methoprene (juvenile hormone analogue) based insect growth regulator for prevention of mosquito emergence.

Target organism(s) (including development stage)

Scientific name: Culicidae:
Common name: Aedes mosquitoes
Development stage: Larvae

Scientific name: Culicidae:
Common name: Culex mosquitoes
Development stage: Larvae

Field(s) of use

Outdoor

Water holding features be treated:

- areas covered with inland waters
- sewageworks pools
- flooded area
- infiltrationpool
- unusedpools
- marshlands

and any other water reservoir except for drinking water.

Application method(s)

Method: Spreading
Detailed description:
To achieve maximum efficacy, start the treatment before the entry of the mosquito season, as soon as the first larvae appear. Check the breeding site in advance for size of the water surface and depth of water, and apply the necessary dosages per hectare given in the label by hand-held equipment

Application Rate: 40 g/ 100 m2

Application rate(s) and frequencies

Dilution (%): 0
Number and timing of application:
Depends on the rate of infestation.

Category(ies) of users

General public (non-professional)

Pack sizes and packaging material

Box - Paper, cardboard - 100, 200, 250, 500, 750, 1000, 1500, 2000 grams in foil layered carton box

Box - PP or HDPE - 0.5, 0.75, 1,1.5, 2,3,4,5 kg in plastic bucket

Bottle - PP or HDPE - 100, 200, 250, 500, 1000 grams in plastic container

4.2.1 Use-specific instructions for use

NA

4.2.2 Use-specific risk mitigation measures

NA

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

NA

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

NA

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

NA

5. General directions for use

5.1. Instructions for use

BIOPREN 4GR prevents the emergence of adult mosquitoes, including common *Aedes* and *Culex* spp. from treated sites. Treated larvae continue to develop normally to the pupal stage after which they fail to emerge. BIOPREN 4GR has sufficient activity to be effective against existing broods when applied to any larval stage at recommended rates. Third and fourth larval stages are more susceptible to the effects of S-methoprene than earlier stages. S-methoprene has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment.

As the S-methoprene active substance has no effect on mosquitoes which have reached the pupal or adult stage prior to treatment, for this purpose use an insecticide which has good knock-down ability.

Not to be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

Directions for use against mosquitoes:

Water holding features be treated:

- areas covered with inland waters
- sewage works pools
- flooded area
- infiltration pool
- unused pools
- marshlands

and any other water reservoir except for drinking water.

To achieve maximum efficacy, start the treatment before the entry of the mosquito season, as soon as the first larvae appear. Check the breeding site in advance for size of the water surface and depth of water, and apply the necessary dosages per hectare given in the table below by a hand-held equipment or granule diffuser mounted on ground vehicle. If necessary, repeat treatment every 21 days.

Dosage:

PCO:

(kg/hectare) depends on the type of breeding site:

Clean (flooded area)

2 kg/hectare (water depth 30 cm) 3 kg/hectare(water depth > 30 cm)

Slightly contaminated (marshy, swampy area)

3 kg/hectare(water depth 30 cm) 4 kg/hectare(water depth > 30 cm)

Highly contaminated (sewer treatment plant pool)

4 kg/hectare(water depth 30 cm) 5 kg/hectare(water depth > 30 cm)

Dosage amateur:

40 g/ 100 m²

The granules start to release the active ingredient as soon as in contact with water, so make sure the dispersed granules is covered with water. Do not apply the granules to water bodies that are in connection with natural/fresh water (e.g. brook, river, lake, etc.)!

The water treated with Biopren 4 GR granule is not suitable to water plants grown for food (e.g. vegetables, spices), but can be used to irrigation of the soil, courtyards, as well as gardens, parks and pastures.

Apply by hand or by using ground equipment capable of achieving good, even coverage.

5.2. Risk mitigation measures

May irritate the eyes. Avoid contact with eyes. Repeated exposure may cause allergic disorders. When preparing product for use wear elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves.

Keep out of reach of the children. Do not empty into drains.

Do not apply the product to water bodies that are in connection with natural/fresh water. Avoid entering into natural/fresh water. To be used only for the control of mosquito larvae and only in compliance with the directions for use.

Do not throw/empty the product, its remnants or empty container into natural/fresh water (river, lake, etc.).

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

FIRST AID

Skin: Wash skin with soap and water.

Eyes: Rinse with plenty of water for a few minutes.

If swallowed: Drink a few glasses of water.

Immediate medical attention after exposure does not required however it can be necessary after sustained irritation.

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

The empty containers and the remains of product should be disposed according to the requirements of the local relevant regulations

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

The product can be used for 2 years from manufacture.

Always store unused product in a dry, cool place, in well ventilated area, out of direct sunlight.

Keep out of reach of children and domestic animals.

DO NOT store with food, feedstuffs, seed and fertilisers.

6. Other information