

Summary of product characteristics for a biocidal product

Product name: Biopren 4 GR Fly Larvicide granule

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

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Authorisation number: IT/2020/00646/MRP

R4BP 3 asset reference number: IT-0028161-0000

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Administrative information

1.1. Trade names of the product

Ghostex granuli

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Vebi Istituto Biochimico s.r.l.
	Address	via Desman, 43 35010 Borgoricco Italy
Authorisation number	IT/2020/00646/MRP	
R4BP 3 asset reference number	IT-0028161-0000	
Date of the authorisation	22/05/2020	
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

The product is an S-methoprene based insect growth regulator, a juvenile hormone analogue. The use of the product makes possible to eliminate the less visible part of fly population. This part consist the early developmental stages (eggs, maggots and pupae) which represent more than 80 % of the full population.

The product will significantly reduce the number of newly hatched adult flies for a period of 8 weeks after the larvicide treatment. Treated larvae continue to develop to the pupal stage after which they fail to emerge.

Target organism(s) (including development stage)

Scientific name: Muscidae:
Common name: House fly
Development stage: Larvae

Scientific name: Muscidae:
Common name: Stable flies
Development stage: Larvae

Scientific name: Muscidae:
Common name: Rat-tailed maggot
Development stage: Larvae

Field(s) of use

Indoor

Outdoor

Apply the product to inhibit the transformation of fly larvae breeding in the dung into imagoes in closed piggeries, cow and poultry houses, as well as stables, goat-folds, sheep-pens and other livestock breeding buildings.

Outdoor: dung-pit which is leak-proof, insulated.

Application method(s)

Method: Spreading
Detailed description:
Directions for use:

Prevent livestock from getting in contact with the product. Should it not be feasible, remove livestock for the duration of the treatment. Treat the dung accumulated under the slatted floor, metal grid, deep litter system or the cages. Do not disperse the granules in the immediate surroundings of feeding and watering places or where the animals may consume the product.

It is important to disperse the granules over the surface of the dung within 3 days after introduction of livestock and then treat every new 10 cm thick dung layer. Disperse the granules evenly over the surface of the remaining dung after each removal of the dung. Preparation has to be spread onto the manure's surface either with a measuring cup, or with an appropriate device, eg. hand held granule applicator according to the following dosing:

Piggeries, Cattle Stables:

Slatted floor: Apply on the 3rd day after the introduction of new livestock. Treat the whole floor of manure-pit. It is necessary to repeat treatment after each removal of dung.

Deep litter: Apply on every new layer of litter and repeat the treatment after every 8 - 10 cm increase of its.

Poultry Farms:

Cage: Treat the accumulated manure (every 10 cm thick layer) under the cages.

Deep litter: apply this dosage on 10 cm thick manure

Dung stored outdoors:

it should only be treated if it is placed in a dung-pit which is leak-proof, insulated and corresponds to other requirements of safe dung storage. When treating dung stored

	<p>outdoors, apply the product at the dosage of 25-30 g/m². Stop treating the dung with the larvicide not less than two months before spreading/ processing the dung in the fields.</p>
Application rate(s) and frequencies	<p>Application Rate: 30 g/m² Dilution (%): 0 Number and timing of application: Depends on the rate of infestation. The product can control the number of newly hatched adult flies for a period of 12 weeks after treatment.</p>
Category(ies) of users	<p>Industrial Trained professional Professional</p>
Pack sizes and packaging material	<p>Bag /Sack - Paper, cardboard - 10, 15, 20, 25 kg in paper bag Bag /Sack - Plastic: composite: - 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 - Plastic: composite: - 0.5, 0.75, 1,1.5, 2,2.5, 3,4,5,6,7,8,9,10,12.5, 15, 20, 25 kg in plastic bucket Bottle - Plastic: composite: - 100, 200, 250, 500, 1000 grams in plastic container</p>

4.1.1 Use-specific instructions for use

NA

4.1.2 Use-specific risk mitigation measures

NA

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

The product is an S-methoprene based insect growth regulator, a juvenile hormone analogue. The use of the product makes possible to eliminate the less visible part of fly population. This part consist the early developmental stages (eggs, maggots and pupae) which represent more than 80 % of the full population. The product will significantly reduce the number of newly hatched adult flies for a period of 8 weeks after the larvicide treatment. Treated larvae continue to develop to the pupal stage after which they fail to emerge.

Target organism(s) (including development stage)

Scientific name: Muscidae:
Common name: House fly
Development stage: Larvae

Scientific name: Muscidae:
Common name: Rat-tailed maggot
Development stage: Larvae

Scientific name: Muscidae:
Common name: Stable flies
Development stage: Larvae

Field(s) of use

Indoor

Outdoor

Apply the product to inhibit the transformation of fly larvae breeding in the dung into imagoes in closed piggeries, cow and poultry houses, as well as stables, goat-folds, sheep-pens and other livestock breeding buildings.

Outdoor: dung-pit which is leak-proof, insulated.

Application method(s)

Method: Spreading
Detailed description:

Directions for use:

Prevent livestock from getting in contact with the product. Should it not be feasible, remove livestock for the duration of the treatment. Treat the dung accumulated under the slatted floor, metal grid, deep litter system or the cages. Do not disperse the granules in the immediate surroundings of feeding and watering places or where the animals may consume the product.

It is important to disperse the granules over the surface of the dung within 3 days after introduction of livestock and then treat every new 10 cm thick dung layer. Disperse the granules evenly over the surface of the remaining dung after each removal of the dung. Preparation has to be spread onto the manure's surface either with a measuring cup, or with an appropriate device, eg. hand held granule applicator according to the following dosing:

Piggeries, Cattle Stables:

Slatted floor: Apply on the 3rd day after the introduction of new livestock. Treat the whole floor of manure-pit. It is necessary to repeat treatment after each removal of dung.

Deep litter: Apply on every new layer of litter and repeat the treatment after every 8 -

	<p>10 cm increase of its.</p> <p>Poultry Farms: Cage: Treat the accumulated manure (every 10 cm thick layer) under the cages. Deep litter: apply this dosage on 10 cm thick manure</p> <p>Dung stored outdoors:</p> <p>it should only be treated if it is placed in a dung-pit which is leak-proof, insulated and corresponds to other requirements of safe dung storage. When treating dung stored outdoors, apply the product at the dosage of 25-30 g/m². Stop treating the dung with the larvicide not less than two months before spreading/ processing the dung in the fields.</p>
Application rate(s) and frequencies	<p>Application Rate: 30 g/m² Dilution (%): 0 Number and timing of application: Depends on the rate of infestation. The product can control the number of newly hatched adult flies for a period of 12 weeks after treatment.</p>
Category(ies) of users	<p>General public (non-professional)</p>
Pack sizes and packaging material	<p>Box - Paper, cardboard - 100, 200, 250, 500, 750, 1000, 1500, 2000 grams in foil layered carton box</p> <p>Box - Plastic: composite: - 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 4, 5 kg in plastic bucket</p> <p>Bottle - Plastic: composite: - 100, 250, 500, 1000 grams in plastic container</p>

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

Please find the information under Authorised use tab.

5.2. Risk mitigation measures

During application, observe the relevant regulations in order to avoid risk to the environment or human health. Repeated exposure may cause allergic disorders. When preparing product for use or applying the product wear PVC gloves. After each day's use, wash gloves.
Do not empty into drains. Do not apply the product to water bodies that are in connection with surface water. Avoid entering into surface water.

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

Avoid contact with skin or eyes. In case of eye contact, wash the eyes for at least 15 minutes with plenty of water and seek medical advice.
Poisoning or in case of suspicion, consult a doctor immediately.
Do not empty into drains. Do not apply the product to water bodies that are in connection with surface water. Avoid entering into surface water.

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

The empty containers and the remains of product should be disposed as hazardous waste.

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

If stored in original closed packaging in a dry and cool place protected from radiant heat and direct at max. 35 °C, it 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

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