

Summary of product characteristics for a biocidal product

Product name: Biopren 5 EC larvicide concentrate

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

Authorisation number: 2023-08-30-B01

R4BP 3 asset reference number: MT-0029324-0000

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Administrative information

1.1. Trade names of the product

Biopren 5 EC larvicide concentrate

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Bábolna Bioenvironmental Centre Private Limited Company
	Address	Szállás u. 6. H-1107 Budapest Hungary
Authorisation number	2023-08-30-B01	
R4BP 3 asset reference number	MT-0029324-0000	
Date of the authorisation	30/08/2023	
Expiry date of the authorisation	04/12/2030	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Babolna Bio Ltd
Address of the manufacturer	Szallas utca 6 1107 Budapest Hungary
Location of manufacturing sites	Dr Köves János út 1-3 H-2943 Babolna 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 utca 6 1107 Budapest Hungary
Location of manufacturing sites	Szallas utca 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	Isopropyl-(2E,4E,7S)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate	Active Substance	65733-16-6		6,42
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2%		Non-active substance		918-481-9	83,67
Benzenesulfonic acid, 4-C10-14-alkyl derivs., calcium salts		Non-active substance	90194-26-6	290-635-1	4,32
2-methylpropan-1-ol		Non-active substance	78-83-1	201-148-0	2,02

2.2. Type of formulation

EC - Emulsifiable concentrate

3. Hazard and precautionary statements

Hazard statements

Flammable liquid and vapour.
 May be fatal if swallowed and enters airways.
 Causes serious eye damage.
 Toxic to aquatic life with long lasting effects.
 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.

Wear protective gloves.

Wear eye protection.

IF SWALLOWED: Immediately call a POISON CENTER.

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

Do NOT induce vomiting.

Collect spillage.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents to Residues and packaging of the product must be disposed of as hazardous waste.

Avoid release to the environment.

4. Authorised use(s)

4.1 Use description

Use 1 - Fleas - (Trained) professional - indoor

Product type	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Ctenocephalides Common name: Fleas Development stage: Larvae
Field(s) of use	Indoor For the treatment of areas where flea larvae might develop and where imagoes are seen, in resting places of pets, on carpets and upholstered furniture.
Application method(s)	Method: Spraying Detailed description: Spraying (a hand-held spraying applicator). Apply the spray to the places where flea larvae develop and where imagoes are seen (as the location of the imagoes is an indication of the location of the flea larvae).
Application rate(s) and frequencies	Application Rate: Mix 5 ml of Biopren 5 EC concentrate with water up to a total of 5 L. 5 litres of working solution is enough to treat 100 m ² surface.

	<p>Dilution (%): 0.1% (1:1000) Number and timing of application: Residual efficacy: Observing the above directions for use and applied at the recommended dose, a 12-week residual effect may be achieved. Maximum 4 applications of the product per year.</p>
Category(ies) of users	<p>Trained professional Professional</p>
Pack sizes and packaging material	<p>HDPE or COEX HDPE/PA opaque bottle: 100, 200, 250, 300, 500, 750, 1000 mL HDPE or COEX HDPE/PA opaque can: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 L</p>

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5. General directions for use

5.1. Instructions for use

- Products should always be used in accordance with label instructions.
- 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.
- Complementary treatment using adulticide products with prompt effect may be necessary to achieve immediate control of already emerged adult fleas.
- Prior to preparing the working solution, shake the concentrate well and reclose the bottle once the required quantity is measured.
- Fill the sprayer (a hand-held spraying applicator of 1-3 bar pressure) with water to half of its volume, measure the quantity of Biopren 5 EC concentrate given below and pour it into the sprayer. After that, fill the sprayer to the desired volume, then mix the working solution thoroughly. Keep the prepared working solution closed and use it up within 48 hours. Shake the working solution from time to time during treatment or every time following longer standing.
- It is unlikely that Biopren 5 EC concentrate will damage the treated surfaces, however - in order to prevent it - it is recommended to make a trial application on an inconspicuous area. This is particularly important when treating carpets and upholstery. When used on highly porous surfaces (such as brick, plaster, cement, etc.), efficacy may be reduced.
- Mix 5 ml of Biopren® 5 EC concentrate with water up to a total of 5L.
- 5 litres of working solution is enough to treat 100 m² surface.
- For the treatment of areas where flea larvae might develop and where imagoes are seen, in resting places of pets, on carpets and upholstered furniture. Apply thorough ventilation after treatment.
- Do not use the product at outdoor places for domestic animal keeping.
- Animals should be kept away during spraying. Do not spray the animals directly. Make sure that pets can re-enter the treated area or lairs only when the spray is fully dried.

- Residual efficacy: Observing the above directions for use and applied at the recommended dose, a 12-week residual effect may be achieved. Cleaning and walking on the treated surfaces can lower the residual efficacy.
- Maximum 4 applications of the product per year.

- It is advised to use insecticides with different mode of action (rotation) in the pest control program.
- Where possible, chemical treatments should be recommended to be combined with application of non-chemical measures.
- Complete elimination of pest insects should be attempted in infested areas
- Where an extended period of control is required, treatments should be alternated with products with different modes of action.
- Levels of effectiveness should be monitored, and instances of reduced effectiveness should be investigated for possible evidence of resistance.

- Inform the registration holder if the treatment is ineffective.

- Avoid continuous use of the product.

5.2. Risk mitigation measures

Do not use in animal housing where livestock is kept.

To be used only for insect control and according to the directions for use!

Keep out of reach of children

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 animals.

Do not apply the product directly to humans, domestic animals, plants and bed-clothes.

During application, observe the relevant regulations.

Thoroughly wash hands in hot water and soap after work.

Ensure adequate ventilation during the application.

Wear protective chemical resistant gloves and a protective coverall during product handling phase (glove and coverall material to be specified by the authorisation holder within the product information).

The use of eye/face protection during handling of the product is mandatory.

Unprotected persons and animals should be kept away from treated areas until surfaces are dry.

After treatment, the treated premises may be re-entered following full drying of the spray and thorough ventilation.

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

Inhalation: Remove the wounded to fresh air, loosen the tight clothes, rest and keep warm. Get medical attention if feeling unwell.

Skin: Remove the contaminated clothes; wash thoroughly with plenty of water then rinse with soap and water.

Eye: Wash out with plenty of water for a few minutes; remove the contact lenses if it's possible. Rest for 30 minutes and seek an optometrist in case of bulging, redness, and bleary eyes.

Ingestion: Do not induce vomiting! Wash the conscious person's mouth with plenty of water.

Get medical attention if feeling unwell. If swallowed: Immediately call a poison center or doctor.

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

Dispose of the material and the packaging as a hazardous waste. Recommended disposal: burning.

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

Store in original opaque, closed packaging in a dry, cool and well-ventilated place.

Protect from radiant heat, direct sunlight and frost. Do not store at temperature higher than 30 °C.

Shelf-life is 4 years.

6. Other information