



31st Dec 2024

To: Engineering Techniques Service
Sharjah, U.A.E

Subject: MOCCAE Registration Certificate of Biopren 4GR & Penta 250 Forte Plus

Dear Sir,

In reference to the above-mentioned subject, we hereby confirmed that the MOCCAE Registration Certificate of **Biopren 4GR and Penta 250 Forte Plus** are currently under renewal process. We will send you the copy of the new certificates once we received them.

Thank you for your utmost support and cooperation.

Thanks & Regards,

Ibrahim Iskandarani
Marketing Manager



Net weight: **1 KG**

الوزن الصافي: **1 KG**

مبيد آفات صحة عامة حشرى



BIOPREN® 4 GR

Mosquito Larvicide Granule

بيوبرين® ٤ حبيبات مبيد يرقات البعوض

Composition: Active ingredient: 0,4 % (4 g/kg) S-methoprene

التركيب: المادة الفعالة: ٠,٤ % (٤ غرامات / كلغ) أس مثوبرين

Bábolna Bio

تحذير WARNING

KEEP OUT OF REACH OF CHILDREN

يحفظ المبيد بعيدا عن متناول الأطفال

PRODUCER: BABOLNA BIO LTD

Hungary, 1107 Budapest, Szallas u. 6., Phone: +36-1 43-20-400, Fax: +36-1 43-20-401

E-mail: info@babolna-bio.com, www.babolna-bio.com

المجر ، 1107 بودابست ، سزالاس يو . 6 الشركة المنتجة بابولنا بيو المحدودة

+36-1 43-20-401 : فاكس ، +36-1 43-20-400 : هاتف

E-mail: info@babolna-bio.com Web: www.babolna-bio.com

LOCAL DISTRIBUTOR مؤسسة روابي الإمارات EMIRATES RAWABI EST. الموزع المحلي

PO Box: 15459 Dubai UAE دبي ١٥٤٥٩ ص.ب. Tel: +9714-2227973 تليفون: www.rawabiemirates.com

MOCCAE Registration Number:

رقم التسجيل بوزارة التغير المناخي والبيئة:

DXB-AD-140-1384702

Lot No.:	000000	رقم التشغيلة:
Manufacturing date:	03.2020	تاريخ الإنتاج:
Expiration date:	03.2023	تاريخ الإنتهاء:

لمزيد من المعلومات يرجى قلب الصفحة
For more information please turn the page



USAGE PRECAUTIONS: EUH 208 Contains polyethylene glycol 15 hydroxy stearate. May cause an allergic reaction. P280 Wear protective gloves and protective clothing. P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Warning: Use only for the control of mosquito larvae and only in accordance with the instructions for use.

Furthermore:

- Do not use the product within 50 meters of the bank of natural standing waters and streams, and water collection sites connected to such waters.
- In case of treating mosquito breeding areas, apply only and in a targeted manner in previously inspected mosquito larvae breeding areas;
- Do not use the product in nature reserve areas;
- Do not apply by air.

Do not dispose the product, its remainders, or empty containers in live waters (rivers, lakes, etc)! Any remaining material should be disposed of as hazardous waste.

Store away from food, drink and forages in a dry, secure place in its original packaging out of reach of unauthorized persons (children or livestock).

Eating or smoking during application is prohibited. Avoid contact with skin and eyes. Wash hands in warm soapy water after use. If poisoning or suspected poisoning occurs, seek medical advice immediately. To avoid endangering humans and the environment, please comply with the instructions for use.

Shelf life and storage: When stored in its original, closed packaging in a dry, cool place below 35 °C shielded from sunlight, shelf life is 3 years from the date of manufacture.

احتياطات الاستعمال: إي يو انش 208 يحتوي على بوليثلين جلايكول 15 هيدروكسي ستيرات الذي قد يسبب حساسية. بي 280 : ارتدي قفازات واقية وملابس واقية. بي 302 + 352 إذا لامس الجلد : اغسل بكمية وافرة من الماء والصابون. تحذير : استعمل المنتج فقط لمكافحة البعوض والهاموش غير الوازر وكذلك وفقاً لتعليمات الاستعمال فقط. وعلاوة على ذلك : *لا تستخدم المنتج في حدود 50 م من ضفة المياه والحدود ومواقع تجمع المياه المتصلة بتلك المياه الرائدة طبيعياً.

*في حال معالجة أماكن تكاثر البعوض ، طبق فقط وطريقة استهداقية في أماكن تكاثر يرقات البعوض التي سبق استكشافها.

*لا تستعمل المنتج في أماكن المحميات الطبيعية. *لا تطبق عن طريق الهواء.

*لا تتخلص من المنتج ومبقيات أو عواته الفارغة في (الأنهار – البحيرات – الخ)

! يجب التخلص من أي مادة متبقية على أنها نفايات خطرة.

يخزن المنتج بعيداً عن الأطعمة والمشروبات والأعلاف وفي عواته الأصلية في مكان جاف وبعيداً عن متناول الأشخاص الغير مصرح لهم (الأطفال والحيوانات) .

يمنع الأكل أو التدخين أثناء التطبيق. تجنب أن يلامس المنتج الجلد أو العيون. تغسل

الأيدي بالصابون بماء دافئ بعد الاستعمال. إذا حدث تسمم أو تسمم مشكوك به ، اطلب مشورة طبية على الفور.

لتجنب تعريض البشر والبيئة للخطر ، يرجى التقيد بتعليمات الاستعمال.

مدة الصلاحية والتخزين :

يخزن المنتج في عواته الأصلية المغلقة في مكان بارد وجاف تحت درجة

35 درجة مئوية ومحمي من الشمس ، تكون مدة صلاحية المبيد 3 سنوات اعتباراً من تاريخ التصنيع.

بيوبرين 4 حبيبات مبيد يرقات البعوض

من فضلك اقرأ التعليمات واحتياطات السلامة وتأكد أنك فهمتها قبل الاستخدام.

للإستخدام:

عندما يطبق المنتج على مياه تكاثر البعوض ، يكون مناسباً للحد من تطور يرقات البعوض ويحوق تحول الشرائق الي ديدان. ولهذا المنتج فعالية على يرقات انواع مختلفة من البعوض (مثل ايديس – اوكلروتاتس – كيولكس – انوفيليس والهاموش الغير واخر) . ولكن نظراً لتأخر فعالية المكون الفعال. فإن معظم الاهداف تموت في طور العذراء.

الاستخدام المتكرر للمنتج على فترات زمنية ملائمة وفقاً لتعليمات الاستخدام يمنع البعوض من النفس في مواقع التكاثر المعالجة لعدة اشهر.

تعليمات للاستخدام

يمكن استخدام المادة في مواقع تجمع المياه في كميات صغيرة أو كبيرة وذلك على مقربة من الأماكن السكنية التي قد تكون مناسبة بشكل مؤقت أو دائم لتكاثر البعوض.

تعتبر مواقع تجمع المياه مناسبة للمعالجة بواسطة حبيبات بيوبرين 4* جي آر مبيد يرقات البعوض.

* أماكن مغطاة بمياه داخلية

* أماكن غمرتها الفيضانات

* مرافق التقطير

* أحواض معالجة الصرف الصحي

* أحواض غير مستعملة

* خزانات مياه أخرى غير المخصصة لمياه الشرب.

الجرعة : تخصص مياه التكاثر اولا بالنسبة لمعق المياه والنظافة (الحمل العضوي) وكذلك بالنسبة لمساحة السطح المائي. طبق الجرعات اللازمة لكل هكتار المبيطة في الجدول التالي :

الكمية التي سيتم نشرها (كجم / هكتار)		
عمق مساحة مياه التكاثر		نوع مكان التكاثر (المياه)
< 30 سم	> 30 سم	
3 كجم / هكتار	2 كجم / هكتار	مياه نظيفة (مثل : معالجة الاماكن التي غمرها الفيضان)
4 كجم / هكتار	3 كجم / هكتار	متوسطة التلوث (مثل المستنقعات)
5 كجم / هكتار	4 كجم / هكتار	عالية التلوث (مثل: أحواض مياه الصرف الصحي المعالجة)

تنثر المادة بجهاز نثر للحبيبات محمول باليد أو على الأرض.

تبدأ الحبيبات بإطلاق مكوناتها الفعالة عندما تلامس الماء ، وعليه فإنه يجب التأكد من ان الحبيبات مغطاة بالماء. كرر المعالجة مرة في الشهر حسب الحاجة.

ان المياه التي تم معالجتها بحبيبات بيوبرين 4* جي آر مبيد يرقات البعوض لا تصلح لسقي النباتات التي تستعمل للأطعمة (مثل الخضار الاعشاب) ، لكن يمكن استعمالها لسقي التربة أو الأفضية أو الحدائق أو المتنزهات أو المراعي.

WARRANTY STATEMENT: The manufacturer to ensure the stability of the chemical and physical specifications for this pesticide and safety of his packing in the original normal storage for the duration of validity for a period of three years under the conditions of UAE

الضمان :

تضمن الشركة المنتجة ثبات المواصفات الكيميائية والفيزيائية لهذا المبيد وسلامته في

عواته الأصلية في ظروف التخزين العادي طيلة فترة

صلاحيته لمدة ثلاث سنوات تحت ظروف دولة الإمارات العربية المتحدة .

BIOPREN® 4 GR Mosquito Larvicide Granule

Please read the instructions and the safety precautions and make sure you understand them before use.

To be used: When applied to breeding waters, the product is suitable for inhibiting the development of mosquito larvae and the conversion of pupae to maggots. The product acts on the larvae of several different mosquito species (e.g., *Aedes*, *Ochlerotatus*, *Culex*, *Anopheles* and none biting midges). Due to the delayed action of the active ingredient, most targets die in the pupal state. Repeated application of the product at appropriate intervals in accordance with the instructions for use may prevent mosquitoes from hatching in treated breeding sites for several months.

Instructions for use: The substance may be used in smaller or larger water collection sites near habitation areas that may be temporarily or permanently suitable for breeding mosquitoes.

Water collection sites suitable for treatment with BIOPREN® 4 GR Mosquito Larvicide Granule: Areas covered by inland water; Flooded areas; Distillation facilities; Sewage treatment pools; Unused pools; Other water reservoirs except for drinking water.

Dosage: Inspect the breeding water first for water depth and cleanness (organic load) and for the size of the water surface. Apply the necessary dosages per hectare given in the table below:

Type of breeding area (water)	Quantity to disperse (kg/hectare)	
	Depth of breeding area(water) <30 cm	>30 cm
Clean (e.g. for treating flooded areas)	2 kg/ha	3 kg/ha
Mildly contaminated (e.g. marshland)	3 kg/ha	4 kg/ha
Heavily contaminated (e.g. sewage treatment pools)	4 kg/ha	5 kg/ha

Disperse the substance with a granule disperser placed on a manual or ground machine.

Granules start releasing their active ingredient when they come into contact with water, so make sure the dispersed granules are covered with water.

Repeat treatment once a month as needed.

Waters treated with Biopren® 4 GR Mosquito Larvicide Granule are not suitable for watering plants used in foods (e.g., vegetables, herbs), but they can be used for watering soil or the courtyard, or in gardens, parks or pastures.

SAFETY DATA SHEET

BIOPREN 4GR mosquito larvicide granule

Revision date: 27/02/2018

version 6

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: BIOPREN 4GR mosquito larvicide granule

1.2. Relevant identified uses of the substance or mixture and uses advised against: ready to use formulation for mosquito larva control, containing insect growth regulator in microencapsulated and free form

Uses advised against: use in accordance with the label, other application is forbidden

1.3. Details of the supplier of the safety data sheet

Bábolna Bioenvironmental Centre Ltd.

Address: H-1107 Budapest, Szállás u. 6.

Tel.: (36-1) 432-0400

Fax.: (36-1) 432-0401

e-mail: info@babolna-bio.com

1.4. Emergency telephone : +36-1 432-0400 (during working hours)

2. HAZARDS IDENTIFICATION

2.1. Classification of the mixture

Classification according the Regulation (EC) 1272/2008:

not classified

2.2. Label elements according the Regulation (EC) 1272/2008:

Pictogram: --

Signal word: --

EUH208 Contains Polyethyleneglycol-15-hydroxystearat. May produce an allergic reaction.

P280 Wear protective gloves, protective clothing, eye protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

2.3. Other hazards

According the Annex XIII. the mixture do not match the criteria of persistent/bioaccumulative/toxic (pbt) nor the criteria of very persistent / very bioaccumulative (vPvB)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances	%	EC number	CAS number	REACH reg. No.:	Classification of Regulation (EC) No 1272/2008	
					Hazard Category	Hazard statement code
Polyethylene-glycol-15-hydroxy-stearat	<1 >0.1	680-598-3	70142-34-6	unknown	Skin Sens. 1	H317
S- methoprene	0.4	--	65733-16-6	Substance regarded as being registered	Aquatic Acute 1	H400
The full text of hazard statements are under the 16th point.						

4. FIRST-AID MEASURES

4.1. Description of first aid measures

4.1.1.

Skin: Wash contaminated skin with soap and water. Contact poison treatment specialist if symptoms occur.

Eyes: Rinse eyes with plenty of water for several minutes. Remove any contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation or vision impairment occurs.

If swallowed: Wash out mouth with water. Contact poison treatment specialist.

WHEN ASKING FOR MEDICAL ADVICE KEEP PACKAGING OR LABEL AT HAND AND CALL YOUR LOCAL POISON CONTROL CENTER

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

Movement of the exposed individual from the area to fresh air is not necessary.

Removal and handling of clothing and shoes from the individual are not necessary

Personal protective equipment for first aid responders is not necessary.

4.1.2. The contaminated clothes can be washed out with a normal washing program. Personal protective clothes are not required during first aid measures.

4.2. Most important symptoms and effects:

Frequent or repeated exposition can cause allergic reaction on skin (itching, redness). Uses of protective gloves is recommended. It can't be expected delayed effects after exposure.

4.3. Medical treatment: Provide symptomatic and supportive treatment.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

The material is not flammable.

In case of ambient fire, use extinguishing media appropriate for the burning material.

Special fire-fighting measures are not necessary.

5.2. Special hazards: None

5.3. Advice for fire-fighters:

Protective equipment: Special fire-fighting measures are not necessary

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Special measures are not necessary. Personal precautions: Wear rubber gloves and protective clothing. Do not smoke, eat or drink during application.

6.2. Environmental precautions: Prevent contamination of environment Avoid entering into natural/fresh water.

Do not throw/empty the product, its residues or empty container into drains.

6.3. Methods and materials for containment and cleaning up: If spillage occurs sweep and transfer into waste containers for disposal. Clean the spill area with detergent and hot water. Contain the spill. Prevent from reaching surface waters or other water supplies. Avoid contact with skin and clothing. Follow the local requirements.

6.4 Reference to other sections:

disposal, see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling: Do not eat, drink or smoke during work. Wash hands after work. If applying by hand, wear elbow-length PVC gloves. Wash hands after use. After each day's use, wash gloves. Avoid contact with skin and clothing. Do not apply the product to water bodies that are in connection with natural/fresh water. Do not use the water treated with the product for direct watering of plants. To be used only for the control of mosquito larvae and only in compliance with the directions for use.

7.2. Conditions for safe storage, including any incompatibilities: Always store 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.

Incompatible materials: unknown

7.3. Specific end use(s): According to label. See point 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Monitoring parameters:

Exposure limits:

Not regulated.

For S-methoprene active substance:

Occupational exposure limit values (Commission Directive 2000/39/EC of 8 June 2000): The substance is not regulated with exposure limit value.

DNEL values: No data available.

PNEC values:

STP micro-organisms = 6.85 mg/L
aquatic (SW) = 0.00019mg/L
sediment = 0.0038 mg/kg wwt
soil = 0.148 mg/kg wwt

8.2. Personal precautions, protections:

Do not eat, drink or smoke during work.

Hand protection: Use of protective gloves is recommended (EN 374).

Thermal hazards: no thermal hazards known.

Environmental exposure controls: No specific prescription.

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: granules

Colour: sandy, Greyish-brown

Odour: odourless

odour threshold: unknown

Relative density (25 °C): Pour density : 1.45 g/mL

pH value: pH:5.5 at 20 ± 1 °C , /1% (w/v) aqueous suspension

Melting point: no data

Boiling temperature: not applicable

Flash point: not applicable

Flammability: not applicable

Explosive properties: non-explosive

Lower/upper explosion limits in air: not applicable

Autoignition: not applicable

Vapour pressure (20 °C): not applicable

Solubility in water: Practically insoluble in water

Viscosity (20 °C): not applicable

Oxidising properties: none

other: -

9.2. Other information: Not available.

10. STABILITY AND REACTIVITY

10.1. Reactivity: Stable at normal conditions.

10.2. Chemical stability: Stable at normal usage and storage. Spontaneous reaction not expected

10.3. Possibility of hazardous reactions: unknown

10.4 Condition to avoid: Temperatures above 40°C. Direct sunlight.

10.5. Incompatible materials: potent oxidizing agents, potent acids.

10.6. Hazardous decomposition products: not known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Acute oral LD₅₀ (rat) (calculated) > 10 000 mg/kg

Other: On the basis of our current knowledge of the ingredients no harmful effects to health are to be expected when the product is used in accordance with the instructions.

Toxicity of active ingredient (S-Methoprene)

Acute toxicity:

Acute oral LD₅₀ (rat): > 5 050 mg/b.w.kg

Acute dermal LD₅₀ (rabbit): > 5 050 mg/bw.kg

Irritation:

Skin irritation The substance is rated slightly irritating.

Eye irritation Minimally irritating

No irritation was observed in any eyes at 48 hours.

(b) skin corrosion/irritation: not classified based on the available data

(c) serious eye damage/irritation: not classified based on the available data, can cause slight irritation in eye

(d) respiratory or skin sensitisation: May produce an allergic reaction in case of sensitive people.
Contains Polyethyleneglycol-15-hydroxystearat

(e) germ cell mutagenicity: not classified based on the available data

(f) carcinogenicity: not classified based on the available data

(g) reproductive toxicity: not classified based on the available data

(h) STOT-single exposure: not classified based on the available data

(i) STOT-repeated exposure: not classified based on the available data

(j) aspiration hazard: not applicable

12. ECOLOGICAL INFORMATION

No data for mixture

Toxicity of active ingredient (S-Methoprene)

S-methoprene:

LC50 (Danio rerio – zebra fish): 4.26 mg/l/96h

NOEC (Danio rerio – zebra fish): 1.25 mg/l

EC50 (Daphnia magna – big water flea): 0.22 mg/l/48h

NOEC (Daphnia magna – big water flea): 0.019 mg/l/21d

ErC50 (algae): 2.264 mg/l/0 – 72h

12.2. Persistence and degradability: no data available for the product.

12.3 Bioaccumulative potential: no data available for the product. Octanol-water: log Kow : 6.34(calculated) S-methoprene does not bioaccumulate.

12.4 Mobility in soil: no data available for the product.

12.5 Results of PBT and vPvB assessment: not necessary. S-methoprene is not a PBT candidate and does not meet any of the individual screening criteria.

12.6 Other adverse effects: no data available for the product.

13. DISPOSAL CONSIDERATIONS

Dispose of unused product, its packaging and all other waste, in accordance with local regulations. Do not reuse the material or the packaging for any other purposes. Prevent contamination of environment. The product and its container should be disposed of as hazardous waste

14. TRANSPORT INFORMATION

NON DANGEROUS GOODS

14.1. UN-number: -

14.2. UN Proper shipping name according ENSZ: -

14.3. Transport hazard class(es) -

14.4. Packaging group: -

14.5. Environmental hazards : -

14.6. Special precautions for user: not necessary

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code : not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

-Decree of European Parliament 1907/2006/EK Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

-1272/2008/EC Regulation on classification, labelling and packaging of substances and mixtures.

-528/2012/EC Biocid regulation

15.2 Chemical Safety Assessment: NA.

16. OTHER INFORMATION

Full text of hazard statement code under point 3:

H400 Very toxic to aquatic life

H317 May cause an allergic skin reaction

Source:

Bábolna Bioenvironmental Centre Ltd.: product documentation

Safety data sheets of ingredients

End of safety data sheet