

SAFETY DATA SHEET

BIOPREN / BIOPREN BMS / PROTECT PHARAOH'S ANT COLONY ELIMINATOR

Revision date: 03/12/2019

version 3

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

1.1 Product identifier: BIOPREN / BIOPREN BMS / PROTECT PHARAOH'S ANT COLONY ELIMINATOR, mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against: ready to use granules for the control of pharaoh's ant in closed area

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

1.3 Details of the supplier of the safety data sheet Babolna Bio 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 number:

HU: +36-80 201-199 (24 hours), ETTSZ

UK: +36 70 637 5436

IE: (01-8092166)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according the Regulation (EC) 1272/2008 (CLP): Aquatic Chronic 3

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

H412 Harmful to aquatic life with long lasting effects

P273 Avoid release to the environment

P501 Dispose of contents/container in accordance with applicable regulations

2.3. Other hazards

According to the Annex XIII the mixture do not meets the criteria for PBT or vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1: substance: not applicable		
3.2: mixture:		
Hazardous substances	Classification of Regulation (EC) No 1272/2008	Concentration %
S-methoprene EC:--, CAS: 65733-16-6 REACH reg No.: Substance regarded as being registered	Aquatic Acute 1 M=1 , H400 Aquatic Chronic 1 H410 M=1	0,5
The full text of hazard statements is under the section16.		

4. FIRST-AID MEASURES

4.1. Description of first aid measures

4.1.1.

general notes: do not give anything orally to the unconscious man. Seek medical attention if necessary.

Inhalation: Remove the patient to fresh air, keep patient calm.

Skin: Wash skin with plenty of water.

Eyes: Rinse with plenty of water for a few minutes, remove the contact lenses if it is possible and continue the rinsing.

If swallowed: Rinse your mouth, do not induce vomiting

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

4.2. Most important symptoms and effects, both acute and delayed: unknown

4.3. Indication of any immediate medical attention and special treatment needed: symptomatic treatment

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media: Suitable extinguishing media: water spray, foam, powder, CO₂,
 Unsuitable extinguishing media: unknown

5.2. Special hazards arising from the substance or mixture: unknown

5.3. Advice for fire-fighters: 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

6.2. Environmental precautions: Prevent contamination of environment. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and materials for containment and cleaning up: Collect up the spilled material and place in a lockup container. Cleaning: Sweep up or shovel up the mixture. Follow the local requirements.

6.4 Reference to other sections: Disposal, see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling: Observe conventional hygiene precautions. Do not eat, drink or smoke during work. The bait stations should not be washed or reused.

7.2. Conditions for safe storage, including any incompatibilities: Keep away from food, feed! Keep in a dry and cool but frost free place. Keep away from heat and direct sunlight. Keep away from children! Keep away from feed and foodstuffs, medicines

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters: Not regulated

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. Exposure controls:

Do not eat, drink or smoke during work. 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.

Individual protection measures, such as personal protective equipment:

Eye, face, skin hand protection: protective clothes/gloves are not necessary

Environmental exposure controls: No specific prescription.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: small, solid, granule

Colour: light and dark brown

Odour: unpleasant (as feeding stuff of laboratory animals),
odour threshold: unknown

Relative density (25 °C): 0.524 g/ml

pH value: 6.6

Melting point: no data

Boiling temperature: not applicable

Flash point: not applicable

Flammability: > 200 °C

Explosive properties: non-explosive

Lower/upper explosion limits in air: not applicable

Autoignition: not applicable

Vapour pressure (20 °C): not applicable

Solubility in water: no data

Viscosity (20 °C): not applicable

Oxidising properties: none

other: the product contains 99% food ingredients

9.2. Other information: No relevant data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity:	Stable at normal conditions
10.2. Chemical stability:	Stable at normal conditions
10.3 Possibility of hazardous reactions:	Stable at normal usage
10.4. Conditions to avoid:	High temperature, UV light
10.5 Incompatible materials	Not known
10.6. Hazardous decomposition products	Not known

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

(a) acute toxicity:	not classified
(b) skin corrosion/irritation:	not classified
(c) serious eye damage/irritation:	not classified
(d) respiratory or skin sensitisation:	not classified
(e) germ cell mutagenicity:	not classified
(f) carcinogenicity:	not classified
(g) reproductive toxicity:	not classified
(h) STOT-single exposure:	not classified
(i) STOT-repeated exposure:	not classified
(j) aspiration hazard:	NA

Toxicity of active ingredient

Acute toxicity:

Acute oral LD ₅₀ (rat):	> 5050 mg/b.w.kg
Acute inhalation LC ₅₀ (rat)(4h):	> 2.38 mg/L
Acute dermal LD ₅₀ (rat):	> 5050 mg/bw.kg
Skin irritation	Not irritating
Eye irritation	Not irritating
Skin sensitisation (test method used and result)	Not a sensitiser (Buehler test)

12. ECOLOGICAL INFORMATION

- 12.1. Toxicity: no data available for the product.
12.2. Persistence and degradability: no data available for the product.
12.3 Bioaccumulative potential: Octanol-water: log Kow : 6.34(calculated)
12.4 Mobility in soil: no data available for the product.
12.5 Results of PBT and vPvB assessment: not necessary.
12.6 Other adverse effects: no data available for the product.

S-methoprene:

Acute: M-factor=1 Chronic: M-factor=1
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

Biodegradability: The mean value of the degradation (expressed as specific BOD in the percentage of specific ThOD), in 8 mg/L nominal concentration of the test item was 20.99 % and in 2 mg/L nominal concentration of the test item it was 49.45 %. The mean value of the degradation in 2 mg/L nominal concentration of the reference item was 96.09 %.

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

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods: The bait stations should not be washed or reused.
Dispose of waste products and bait stations after treatment in accordance with local requirements. If it is not contrary to official specifications, packaging may be treated like household waste. Prevent contamination of environment by wastes.

14. TRANSPORT INFORMATION

NON DANGEROUS GOODS

- 14.1 UN number:-
14.2 UN proper shipping name:-
14.3 Transport hazard class(es):-
14.4 Packing group:-
14.5 Environmental hazards:-
14.6 Special precautions for user:-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:-

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
Reference to authorisations in EU:

country	registration number
HU	HU-2017-PA-18-00189-0000
DE	DE-0013121-18
SE	5349
DK	592-1
CZ	CZ-0017269-0000
SI	SI-0017785-0000, 18412-44/2015/9
LV	LV/2017/MR/025
EE	EE-NAMR2017-0097
NO	NO-2017-0135
FI	FI-2017-0035
NL	NL-0015631-0000
HR	UP/1-543-04/16-12/52
SK	SK18-MRP-001
AT	AT-0018169-0000
PL	PL/2018/0294/MR
LT	(10-14 17.5)BSV-7730(A-18VAP1102079-18-63)
BE	BE2018-0002
Swiss	CH-2018-0009
UK	UK-2018-1139-0002
IE	IE/BPA 70454-001

15.2 Chemical Safety Assessment: NA

16. OTHER INFORMATION

Full text of hazard statement code under point 3:

Aquatic acute: H400 Very toxic to aquatic life

Aquatic chronic: H410 Very toxic to aquatic life with long lasting effects

Reason of the versions:

Version 2: administrative update, according to new SDS of S-methoprene

Version3: Section 15: completed with list of authorisations in EU, Section 14: administrative update

End of safety data sheet