

SAFETY DATA SHEET

BIOPREN[®] BMS PHARAOH'S ANT COLONY ELIMINATOR

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Identification of the substance:

Type of preparation: granule with IGR type S-Methoprene and bait in transparent plastic house
Product name: **BIOPREN[®] BMS pharaoh's ant colony eliminator**
Other names: **PROTECT[®] Pharaoh's Ant Colony Eliminator**

Manufactured and Distributed by:

Bábolna Bioenvironmental Centre Ltd.
Address: H-1107 Budapest, Szállás u. 6.
Tel.: +36-1 43-20-400
Fax.: +36-1 43-20-401

Manager in charge: Dr. Dániel Bajomi

SDS is prepared by: Irén Giesz Mattyasovszkyné mattyasovszky@babolna-bio.com

In case of emergency (during working hours): Tel: +36-1 43 20 400;
Fax: +36-1 43 20 401

2. HAZARDS IDENTIFICATION

Hazard classification:

To human: not dangerous
To the environment: dangerous to the aquaeuos environment

3. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient):

Methoprene (IGR) 0.5 %
Chemical name: (Isopropyl (E,E)-(S)-11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate)

Information on ingredients:

<u>Dangerous substances</u>	<u>% (w/w)</u>	<u>CAS</u>	<u>EC-number</u>	<u>Symbols</u>	<u>R-phrases</u>
S-methoprene	0,50	65733-16-6	---	N	50
BHT	0,05	128-37-0	204-881-4	XN	37/38
Sorbic acid	0,10	110-44-1	203-768-7	Xi	36/37/38

4. FIRST AID MEASURES

Primary routes of entry: Ingestion, inhalation

<u>Symptoms and effects of overexposure</u>	<u>Route of entry</u>	<u>Emergency and first aid procedures</u>
May cause eye irritation	eyes	Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
Not known to cause skin irritation	skin	Wash affected area with soap and water.
No known adverse effects	inhalation	Remove person to fresh air.
No known adverse effects	ingestion	If person ingests, get medical attention.

5. FIRE AND EXPLOSION HAZARD DATA

Extinguishing media: Water, carbon dioxide

6. ACCIDENTAL RELEASE MEASURESMeasures for personal protection:

- do not breathe dust, avoid contact with eyes and skin

Protective equipment:

- protective gloves is recommended

Spillage:

Sweep and transfer the spilled product into waste containers for disposal. Clean the spill area with detergent and hot water. Avoid spilling. Prevent from reaching surface waters or other water supplies.

7. HANDLING AND STORAGE

Store containers upright and closed. Store at room temperature in areas that dry and well-ventilated. Store away from heat, ignition sources and strong oxidisers. **Store far from odorous substances and out of reach of children!** Do not contaminate water, feed or food during the product storage, handling and disposal. Read and follow all precautions and instructions on the product label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit:	No limit defined.
Eye protection:	Not necessary
Skin and hand:	Avoid contact with the product.
Respiratory protection:	Not necessary
Other protective equipment:	Not necessary

9. PHYSICAL AND CHEMICAL DATA

Appearance:	yellowish-brown powder and granules
Odour:	strong liver odour
Solubility in water:	partially (sol. of honey)
Specific gravity:	0.60 - 0.80 g/cm
Melting point:	over 180° C with decomposition (carbonisation)
pH value:	6.0 - 7.0 (dispersion in water)
Flash point:	not available
Flamability:	not flammable
Oxidation properties:	none
Further data:	product contains over 99 % of food ingredients

10. STABILITY AND REACTIVITY

Stability:	stable under usual application conditions.
Conditions to avoid:	strong heating, sources of ignition, UV light
Substances to avoid:	oxidants e.g. oxygen, alkali hypochlorides odourants e.g. perfumes, organic solvents
Hazardous decomposition:	will not occur
Hazardous reactions:	none known

11. TOXICOLOGICAL INFORMATION

Toxicity data of bait:

- Oral /rat/: LD₅₀: > 5 000 mg/kg

Toxicity data of S- methoprene active ingredient:

Acute toxicity:

- Oral /rat/: LD₅₀: > 5 050 mg/kg

- Dermal /rat/: LD₅₀: > 5 050 mg/kg

- Inhalation /rat/: LC₅₀: > 2,78 mg/l

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

12. ECOLOGICAL INFORMATION

Data of bait:

Biodegradable (>99 % fond ingredients)

Data of methoprene active ingredient:

Ecotoxicity:

- Fish /LC₅₀ (96-h) rainbow trout: 4.2 mg/l

- Daphnia EC₅₀ (48 h) 0,38 mg/l

Persistence:

- Biodegradation: biodegradable

- Half-life: in field water: rapidly degraded 2 hours (at sunlight)
in ground water: rapidly degraded 10 days (surface treatment of 1 kg/ha)

13. DISPOSAL CONSIDERATION

Disposal: Wastes resulting from this product may be disposed of on site (household waste) or at an approved waste disposal facility. Prevent contamination of environment by wastes. Do not contaminate water, food or feed.

RCA/CERCLA hazardous waste: Not listed.

14. TRANSPORT INFORMATION

Name: **NON HAZARDOUS - not restricted**

UN no.:-

ADR/RID

Class: -

Label: -

IMO

Class: -

Label: -

Page: -

Packing group: -

ICAO/IATA

Class: -

Label: -

PAX: - / CAO: -

Packing group: -

15. REGULATORY INFORMATION

EU symbols: -

Risk phrases: R52 Harmful to aquatic organisms

Safety phrases: S2 Keep out of reach of children

S61 Avoid release to the environment. Refere to special
instructions/Safety data sheet

This Safety Data Sheet is in accordance with regulation (EC) No. 1907/2006 of the
European Parliament and the Council.

16. OTHER INFORMATION

Complete text of R phrases listed under the Point 3. of the data sheet:

R36/37/38 Irritating to eyes, respiratory system and skin

R50 Very toxic to aquatic organism

Source:

- The Pesticide Manual, The British Crop Protection Council, 1997
- Bábolna Bioenvironmental Center Ltd.: Registration Documentation
- WHO data sheet on pesticides No. 47.

No.:2

The information and recommendations given on this data sheet are based on our best present knowledge concerning the safety of the above product. This data sheet can not be regarded as a warranty of the specific technical parameters of the product. The user is fully responsible for following the relevant labour, environmental protection and other laws and regulations and for the proper handling of dangerous chemical substances.

Done on: July 6, 2000

Revision: 24th March 2010.