

# Summary of product characteristics for a biocidal product

**Product name:** Mirmex GR

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

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

**Authorisation number:** 3417-1

**R4BP 3 asset reference number:** BG-0029869-0000

## Table Of Contents

Administrative information	1
1.1. Trade names of the product	1
1.2. Authorisation holder	1
1.3. Manufacturer(s) of the biocidal products	1
1.4. Manufacturer(s) of the active substance(s)	1
2. Product composition and formulation	2
2.1. Qualitative and quantitative information on the composition of the biocidal product	2
2.2. Type of formulation	2
3. Hazard and precautionary statements	2
4. Authorised use(s)	3
5. General directions for use	10
5.1. Instructions for use	10
5.2. Risk mitigation measures	11
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	11
5.4. Instructions for safe disposal of the product and its packaging	12
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	12
6. Other information	12

## Administrative information

### 1.1. Trade names of the product

Mirmex GR
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Vebi Istituto Biochimico s.r.l.
	Address	via Desman, 43 35010 Borgoricco Italy
<b>Authorisation number</b>		3417-1
<b>R4BP 3 asset reference number</b>		BG-0029869-0000
<b>Date of the authorisation</b>		09/12/2022
<b>Expiry date of the authorisation</b>		01/11/2032

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Vebi Istituto Biochimico s.r.l.
<b>Address of the manufacturer</b>	via Desman, 43 35010 Borgoricco (PD) Italy
<b>Location of manufacturing sites</b>	via Desman, 43 35010 Borgoricco (PD) Italy

### 1.4. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	1283 - (RS)- $\alpha$ -cyano-3phenoxybenzyl-(1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cypermethrin)
<b>Name of the manufacturer</b>	LIMARU NV
<b>Address of the manufacturer</b>	Business Center Mezzo, Paalsesteenweg 170 Bus 7 3583 Beringen Belgium
<b>Location of manufacturing sites</b>	Tagros Chemicals India Ltd.: A-4/1&2, Sipcot Industrial Complex, Pachayankuppam, Cuddalore 607 005 Tamil Nadu India

## 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 (%)
(RS)- $\alpha$ -cyano-3phenoxybenzyl-(1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cypermethrin)		Active Substance	52315-07-8	257-842-9	0,6

### 2.2. Type of formulation

GR - Granule
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## 3. Hazard and precautionary statements

<b>Hazard statements</b>	Very toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	<p>If medical advice is needed, have product container or label at hand.</p> <p>Keep out of reach of children.</p> <p>Read carefully and follow all instructions.</p> <p>Avoid release to the environment.</p> <p>Collect spillage.</p> <p>Dispose of contents to in accordance with nation law.</p>

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - General public

<b>Product type</b>	PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)
<b>Where relevant, an exact description of the authorised use</b>	For kill and control of ants (workers and nests) - General public – .
<b>Target organism(s) (including development stage)</b>	Scientific name: Lasius niger Common name: Ants Development stage: Adults
<b>Field(s) of use</b>	Indoor  Other  Indoor, outdoor around building
<b>Application method(s)</b>	Method: Spreading Detailed description:  Spreading Ready to use product Crack and crevice treatment. Voids and cavities Direct application by dusting. Apply in thin layers in cracks and crevices (under furniture, in corners and other hiding places) Ant nest treatment : Apply thin layers around and on nest entrances  If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries  Method: Bait application Detailed description: Direct application of wet bait  Crack and crevice treatment. Voids and cavities  Apply the product after diluting the product in water. Add 4 g of warm water to 8 g of bait and mix gently with a disposable stick. This dilution will generate a mush that increase the palatability of the product Apply in thin layers in cracks and crevices (under furniture, in corners and other hiding places)  Ant nest treatment : Apply thin layers around and on nest entrances If ants appear from multiple entrance holes, treat all of them by evenly distributing the mush into all nest entries

**Application rate(s) and frequencies**

Application Rate: 8g/ m2  
Dilution (%): 0  
Number and timing of application:  
Crack and crevice treatment: The application rate is 8 g/m<sup>2</sup>.  
Treatment can be performed up to 2 times per year with a minimum interval of 4 weeks between applications

Application Rate: 8 g/m2  
Dilution (%): 8 g of product in 4 ml of water  
Number and timing of application:  
Crack and crevice treatment: The application rate is 8 g of dry product for each m<sup>2</sup>.  
Treatment can be performed up to 2 times per year with a minimum interval of 4 weeks between applications

**Category(ies) of users**

General public (non-professional)

**Pack sizes and packaging material**

Maximum size 1000 g

Packaging material:

- envelope plastic: PP MAT20 + PET MET 12 + PE45
- envelope plastic: PP MAT20 + PET MET 12 + PE60
- Box, Paper, cardboard with envelope inside coextruded/ HDPE/polethylene
- Spreader Bottle: HDPE
- Bottle with applicator: HDPE
- Bottle: COEX

**4.1.1 Use-specific instructions for use**

The product is a granular ant bait formulated with micro-encapsulated cypermethrin.  
It is intended to be used as it is.

A careful pre-detection of the areas where the insects use to pass or hidden increase the efficacy of the treatment. Particular care should be taken for dark and warm places, in basements and warehouses. Also, in areas around water pipes, heating and ventilation, under cupboards and other bulky items.

For indoor treatment: apply 8 g/ m<sup>2</sup> of product in thin layers in cracks and crevices (under furniture, in corners and other hiding places), voids and cavities(partition between walls, holes, etc...)

For around building treatment: Apply 8 g/ m<sup>2</sup>of product in the proximity of door step and window as barrier treatment.

For nest treatment: Apply 8 g of product in a thin layers around and on nest entrances. If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries.

In situations of reduced availability of water, a moistened bait may have a higher palatability than the granule as it is. Add 4 g of warm water to 8 g of bait and mix gentle with a disposable stick. The mixture thus obtained will have the appearance of a mush, that can be distributed:

For indoor treatment: in thin layers in cracks and crevices (under furniture, in corners and other hiding places), voids and cavities(partition between walls, holes, etc...)

For around building treatment:in the proximity of door step and window as barrier treatment.

For nest treatment: in a thin layers around and on nest entrances. If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries.

Always read the label or package leaflet before use and follow all instructions provided.  
If the infestation persists despite the instructions on the label, contact a pest control professional.

Remove (clean) product and dead insects, when the presence of live insects is stopped

#### 4.1.2 Use-specific risk mitigation measures

Do not apply the product on surfaces that may be in contact with animals, food or beverages intended for human consumption or for the feeding of livestock.

The application is allowed only in areas that are not usually wet cleaned.

Do not apply near bodies of surface water or in the area of water protection zones.

For use only in areas that are inaccessible to infants, children, companion and farm animals.

No use of wet cleaning procedures. Use only dry-cleaning procedures (vacuum or broom) or use damp paper. After cleaning, dispose the collected in the dry cleaner materials or the damp papers used as solid wastes.

#### 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

The product contains: cypermethrin. May cause paraesthesia

IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reusing them.

IF IN EYES: Rinse cautiously with water for several minutes. Seek medical advice if irritation develops. No adverse effects expected when comply with the instructions for use.

IF INHALED: Remove person to fresh air. If symptoms persist, seek medical advice. No adverse effects expected when comply with the instructions for use.

IF SWALLOWED: Rinse mouth. Get medical advice. There is no antidote, symptomatic treatment is advised. No adverse effects expected when comply with the instructions for use.

Poison center phone number:

Prevent entry into drains, sewers and watercourses. Pick up and arrange disposal without creating dust cloud. Collect spills and place them in suitable containers well sealed for disposal. Clean contaminated surfaces with damp paper and after cleaning

disposed it in solid wastes.

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

Waste treatment methods:

- Dispose of waste and residues in accordance with local authority requirements.
- Do not allow runoff to sewer, waterway or ground.

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

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

Keep containers tightly closed in a dry, cool and well-ventilated place, away from children, animals, food or feed.

Avoid light and sunlight exposure

The product is stable for 2 years at ambient temperature.

## 4.2 Use description

### Use 2 - Professional user

#### Product type

PT18 - Insecticides, acaricides and products to control other arthropods (Pest control)

#### Where relevant, an exact description of the authorised use

For kill and control of ants (workers and nests) - professional user –

#### Target organism(s) (including development stage)

Scientific name: *Lasius niger*  
Common name: Ants  
Development stage: Adults

#### Field(s) of use



**Application method(s)**

Indoor  Other  Indoor, outdoor around building
Method: Spreading Detailed description:  Spreading Ready to use product  Crack and crevice treatment Direct application by dusting. Apply in thin layers in cracks and crevices (under furniture, in corners and other hiding places) Ant nest treatment : Apply thin layers around and on nest entrances  If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries  Method: Bait application Detailed description: Direct application of wet bait  Crack and crevice treatment  Apply the product after diluting the product in water. This dilution will generate a mush that increase the palatability of the product Apply in thin layers in cracks and crevices (under furniture, in corners and other hiding places)  Ant nest treatment : Apply thin layers around and on nest entrances If ants appear from multiple entrance holes, treat all of them by evenly distributing the mush into all nest entries

**Application rate(s) and frequencies**

Application Rate: 8g/ m2 Dilution (%): 0 Number and timing of application: Crack and crevice treatment: The application rate is 8 g/m <sup>2</sup> . Treatment can be performed up to 2 times per year with a minimum interval of 4 weeks between applications  Application Rate: 8 g/m2 Dilution (%): 8 g of product in 4 ml of water Number and timing of application:  Crack and crevice treatment: The application rate is 8 g of dry product for each m <sup>2</sup> . Treatment can be performed up to 2 times per year with a minimum interval of 4 weeks between applications
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**Category(ies) of users**

Industrial  
Trained professional  
Professional

**Pack sizes and packaging material**

size from 500 g to 25 kg

Packaging material:

- Bottle with applicator: HDPE- Spreader Bottle: HDPE
- Bottle: COEX
- envelope plastic: PP MAT20 + PET MET 12 + PE45
- envelope plastic: PP MAT20 + PET MET 12 + PE60
- Box in Paper/cardboard with envelope inside coextruded HDPE/PE

- Bucket HDPE  
- Bucket PET

**4.2.1 Use-specific instructions for use**

Codes of good practice should be followed.  
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. Adopt integrated pest management methods such as the combination of chemical, physical control methods and other public health measures, taking into account local specificities (climatic conditions, target species, conditions of use, etc.). Avoid exclusive repeated use of insecticides from the same chemical subgroup, alternate products containing active substances with different mode of action Do not mix with other chemicals or products.

If the infestation persists despite the instructions on the label, you are probably dealing with a resistant population. We suggest using a non-pyrethroid active ingredient  
The product is a granular ant bait formulated with micro-encapsulated cypermethrin.  
It is intended to be used as it is.

For indoor treatment: apply 8 g/ m<sup>2</sup> of product in thin layers in cracks and crevices (under furniture, in corners and other hiding places), voids and cavities(partition between walls, holes, etc...)

For around building treatment:Apply 8 g/ m<sup>2</sup>of product in the proximity of door step and window as barrier treatment.

For nest treatment: Apply 8 g of product in a thin layers around and on nest entrances. If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries.

In situations of reduced availability of water, a moistened bait may have a higher palatability than the granule as it is. Add 4 g of warm water to 8 g of bait and mix gentle with a disposable stick. The mixture thus obtained will have the appearance of a mush, that can be distributed:

For indoor treatment: in thin layers in cracks and crevices (under furniture, in corners and other hiding places), voids and cavities

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For around building treatment: in the proximity of door step and window as barrier treatment.

For nest treatment: in a thin layers around and on nest entrances. If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries.

Always read the label or package leaflet before use and follow all instructions provided.  
If the infestation persists despite the instructions on the label, .

Remove (clean) product and dead insects, when the presence of live insects is stopped

#### 4.2.2 Use-specific risk mitigation measures

Do not apply the product on surfaces that may be in contact with animals, food or beverages intended for human consumption or for the feeding of livestock.

The application is allowed only in areas that are not usually wet cleaned.

Do not apply near bodies of surface water or in the area of water protection zones.

For use only in areas that are inaccessible to infants, children, companion and farm animals.

In case of use with applicator tool: Cover the floor when loading the product in the application tools and dispose the material in solids wastes, in order to avoid releases on floor

Use chemical resistant gloves (EN 374 )

No use of wet cleaning procedures. Use only dry-cleaning procedures (vacuum or broom) or use damp paper. After cleaning, dispose the collected in the dry cleaner materials or the damp papers used as solid wastes.

#### 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

The product contains: cypermethrin. May cause paraesthesia

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IF IN EYES: Rinse cautiously with water for several minutes. Seek medical advice if irritation develops. No adverse effects expected when comply with the instructions for use.

IF INHALED: Remove person to fresh air. If symptoms persist, seek medical advice. No adverse effects expected when comply with the instructions for use.

IF SWALLOWED: Rinse mouth. Get medical advice. There is no antidote, symptomatic treatment is advised. No adverse effects expected when comply with the instructions for use.

Poison center phone number:

Prevent entry into drains, sewers and watercourses. Pick up and arrange disposal without creating dust cloud. Collect spills and place them in suitable containers well sealed for disposal. Clean contaminated surfaces with damp paper and after cleaning disposed it in solid wastes.



#### **4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

When use non-disposable (reusable) equipment: clean equipment with damp paper and after cleaning dispose the paper used for cleaning in solid wastes.

Waste treatment methods:

- Dispose of waste and residues in accordance with local authority requirements.
- Do not allow runoff to sewer, waterway or ground.

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

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

Keep containers tightly closed in a dry, cool and well-ventilated place, away from children, animals, food or feed.

Avoid light and sunlight exposure

The product is stable for 2 years at ambient temperature.

## **5. General directions for use**

### **5.1. Instructions for use**

The product is a granular ant bait formulated with micro-encapsulated cypermethrin. It is intended to be used as it is.

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For nest treatment: Apply 8 g of product in a thin layers around and on nest entrances. If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries.

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For nest treatment: in a thin layers around and on nest entrances. If ants appear from multiple entrance holes, treat all of them by evenly distributing the granules into all nest entries.

Always read the label or package leaflet before use and follow all instructions provided.  
If the infestation persists despite the instructions on the label, contact a pest control professional.

Remove (clean) product and dead insects, when the presence of live insects is stopped

## 5.2. Risk mitigation measures

Do not apply the product on surfaces that may be in contact with animals, food or beverages intended for human consumption or for the feeding of livestock.

The application is allowed only in areas that are not usually wet cleaned

Do not apply near bodies of surface water or in the area of water protection zones.

For use only in areas that are inaccessible to infants, children, companion and farm animals.

No use of wet cleaning procedures. Use only dry-cleaning procedures (vacuum or broom) or use damp paper. After cleaning, dispose the collected in the dry cleaner materials or the damp papers used as solid wastes.

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

The product contains: cypermethrin. May cause paraesthesia

IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reusing them.

IF IN EYES: Rinse cautiously with water for several minutes. Seek medical advice if irritation develops. No adverse effects expected when comply with the instructions for use.

IF INHALED: Remove person to fresh air. If symptoms persist, seek medical advice. No adverse effects expected when comply with the instructions for use.

IF SWALLOWED: Rinse mouth. Get medical advice. There is no antidote, symptomatic treatment is advised. No adverse effects expected when comply with the instructions for use.

Poison center phone number:

Prevent entry into drains, sewers and watercourses. Pick up and arrange disposal without creating dust cloud. Collect spills and place them in suitable containers well sealed for disposal. Clean contaminated surfaces with damp paper and after cleaning disposed it in solid wastes.

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

Waste treatment methods:

- Dispose of waste and residues in accordance with local authority requirements.
- Do not allow runoff to sewer, waterway or ground.

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

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

Keep containers tightly closed in a dry, cool and well-ventilated place, away from children, animals, food or feed.

Avoid light and sunlight exposure

The product is stable for 2 years at ambient temperature.

#### 6. Other information