

Summary of product characteristics for a biocidal product

Product name: Klerat Wax Blocks

Product type(s): PT14 - Rodenticides (Pest control)

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Authorisation number: IE/BPA 70601

R4BP 3 asset reference number: IE-0002298-0000

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Administrative information

1.1. Trade names of the product

Klerat Wax Blocks

1.2. Authorisation holder

**Name and address of the
authorisation holder**

Name	Syngenta Crop Protection AG
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Address	Rosentalstrasse 67 4058 Basel Switzerland
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Authorisation number

IE/BPA 70601

**R4BP 3 asset reference
number**

IE-0002298-0000

Date of the authorisation

22/07/2013

**Expiry date of the
authorisation**

01/07/2024

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer

Bábolna Bioenvironmental Centre Ltd

Address of the manufacturer

Szállás u.6 1107 Budapest Hungary

Location of manufacturing sites

Dr. Köves János u. 3 2943 Bábolna Hungary

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

Active substance

11 - Brodifacoum

Name of the manufacturer

Vertellus Specialties UK Ltd

Address of the manufacturer

Hale Bank WA8 8NS Widnes United Kingdom

Location of manufacturing sites

Hale Bank WA8 8NS Widnes United Kingdom

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 (%)
Brodifacoum	3-[3-(4'-bromobiphenyl-4-yl)-1,2,3,4-tetrahydro-1-naphthyl]-4-hydroxycoumarin	Active Substance	56073-10-0	259-980-5	0,005

2.2. Type of formulation

RB - Bait (ready for use)

3. Hazard and precautionary statements

Hazard statements

May damage the unborn child.

May cause damage to organs blood through prolonged or repeated exposure .

Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves.

IF exposed or concerned: Get medical advice.

Store locked up.

Dispose of contents to in accordance with local regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Professionals – Mice and Rats - Indoors

Product type	PT14 - Rodenticides (Pest control)
Where relevant, an exact description of the authorised use	Not applicable.
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: Brown rat Development stage: All Scientific name: <i>Mus musculus</i> Common name: House mouse Development stage: All
Field(s) of use	Indoor Ready-to-use bait to be used in tamper-resistant bait stations indoors.
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations Rats 1-3 blocks (20-60g) per bait point. If more than one bait point is needed, the distance between bait stations should be 5m for high infestations and 10m for low infestations. Mice 1 block (20g) per bait point. If more than one bait point is needed, the distance between bait stations should be 2m for high infestations and 5m for low infestations.
Application rate(s) and frequencies	Application Rate: Rats: 1-3 blocks (20-60g) of bait per bait station; Mice: 1 block (20g) of bait per bait station Dilution (%): None. Number and timing of application: Initial inspections of bait points after 3 days is recommended. Replace any bait that has been consumed. Repeat approximately 4 days later and then weekly. Replace contaminated or spoiled bait.
Category(ies) of users	Professional
Pack sizes and packaging material	Pack size 2.5kg, 3kg, 5kg, 10kg. Loose bait within a HDPE tub or pail

4.1.1 Use-specific instructions for use

The baiting stations should be visited at least every 3 days at the beginning of the treatment and at least weekly afterwards, in order to check whether the bait is accepted, the bait stations are intact and to remove rodent bodies. Re-fill bait when necessary.

[When available] Follow any additional instructions provided by the relevant code of best practice.

4.1.2 Use-specific risk mitigation measures

When placing bait points close to water drainage systems, ensure that bait contact with water is avoided.
Do not use the product in pulsed baiting treatments

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 Section 5.3

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

See Section 5.4

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

See Section 5.5

4.2 Use description

Use 2 - Professionals - Mice and Rats - Outdoors around buildings

Product type

PT14 - Rodenticides (Pest control)

Where relevant, an exact description of the authorised use

Not applicable.

Target organism(s) (including development stage)

Scientific name: *Rattus norvegicus*
Common name: Brown rat
Development stage: All

Scientific name: *Mus musculus*
Common name: House mouse
Development stage: All

Field(s) of use

Application method(s)	<p>Outdoor</p> <p>Ready-to-use bait to be used in tamper-resistant bait stations outdoors around buildings.</p>
	<p>Method: Bait application Detailed description:</p> <p>Ready-to-use bait to be used in tamper-resistant bait stations. Rats</p> <p>1-3 blocks (20-60g) per bait point. If more than one bait point is needed, the distance between bait stations should be 5m for high infestations and 10m for low infestations.</p> <p>Mice</p> <p>1 block (20g) per bait point. If more than one bait point is needed, the distance between bait stations should be 2m for high infestations and 5m for low infestations.</p>
Application rate(s) and frequencies	<p>Application Rate: Rats: 1-3 blocks (20-60g) of bait per bait station; Mice: 1 block (20g) of bait per bait station Dilution (%): None. Number and timing of application: Initial inspections of bait points after 3 days is recommended. Replace any bait that has been consumed. Repeat approximately 4 days later and then weekly. Replace contaminated or spoiled bait.</p>
Category(ies) of users	Professional
Pack sizes and packaging material	<p>Pack size 2.5kg, 3kg, 5kg, 10kg.</p> <p>Loose bait within a HDPE tub or pail</p>

4.2.1 Use-specific instructions for use

Protect bait from the atmospheric conditions (e.g. rain, snow, etc.). Place the bait stations in areas not liable to flooding.

The baiting stations should be visited at least every 3 days at the beginning of the treatment and at least weekly afterwards, in order to check whether the bait is accepted, the bait stations are intact and to remove rodent bodies. Re-fill bait when necessary.

Replace any bait in a bait station in which bait has been damaged by water or contaminated by dirt.

[When available] Follow any additional instructions provided by the relevant code of best practice.

4.2.2 Use-specific risk mitigation measures

Do not apply this product directly in the burrows.

When placing bait stations close to surface waters (e.g. rivers, ponds, water channels, dykes, irrigation ditches) or water drainage systems, ensure that bait contact with water is avoided.

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

See Section 5.3

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

See Section 5.4

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

See Section 5.5

4.3 Use description

Use 3 - Trained Professionals - Mice and Rats - Indoors

Product type

PT14 - Rodenticides (Pest control)

Where relevant, an exact description of the authorised use

Not applicable.

Target organism(s) (including development stage)

Scientific name: *Rattus norvegicus*
Common name: Brown rat
Development stage: All

Scientific name: *Mus musculus*
Common name: House mouse
Development stage: All

Field(s) of use

Indoor

Ready-to-use bait to be used indoors.

Application method(s)

Method: Bait application

Detailed description:

Ready-to-use bait to be used in tamper-resistant bait stations.

Covered and protected baiting points.

Rats

1-3 blocks (20-60g) per bait point. If more than one bait point is needed, the distance between bait stations should be 5m for high infestations and 10m for low infestations.

Mice

1 block (20g) per bait point. If more than one bait point is needed, the distance between bait stations should be 2m for high infestations and 5m for low infestations.

Application rate(s) and frequencies

Application Rate: Rats: 1-3 blocks (20-60g) of bait per bait station; Mice: 1 block (20g) of bait per bait station
Dilution (%): None.
Number and timing of application:
Initial inspections of bait points after 3 days is recommended. Replace any bait that has been consumed. Repeat approximately 4 days later and then weekly. Replace contaminated or spoiled bait.

Category(ies) of users

Trained professional

Pack sizes and packaging material

Pack size 2.5kg, 3kg, 5kg, 10kg.

Loose bait within a HDPE tub or pail.

4.3.1 Use-specific instructions for use

Remove the remaining product at the end of treatment period.
Collect any spilled bait and dead rodents
Follow any additional instructions provided by relevant code of best practice

4.3.2 Use-specific risk mitigation measures

Where possible, prior to the treatment inform any possible bystanders (e.g. users of the treated area and their surroundings) about the rodent control campaign.
Consider preventative control measures (e.g. plug holes, remove potential food and drinking as far as possible) to improve product intake and reduce the likelihood of re-invasion.

To reduce risk of secondary poisoning, search for and remove dead rodents during treatment at frequent intervals, in line with the recommendations provided by the relevant code of best practice.
Do not use the product as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.

4.3.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

When placing bait points close to water drainage systems, ensure that bait contact with water is avoided

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

See Section 5.4.

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

See Section 5.5.

4.4 Use description

Use 4 - Trained Professionals - Mice and rats - Outdoors around buildings

Product type	PT14 - Rodenticides (Pest control)
Where relevant, an exact description of the authorised use	Not applicable.
Target organism(s) (including development stage)	Scientific name: Rattus norvegicus Common name: Brown rat Development stage: All Scientific name: Mus musculus Common name: House mouse Development stage: All
Field(s) of use	Outdoor Ready-to-use bait to be used outdoors around buildings.
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations. Covered and protected baiting points. Rats 1-3 blocks (20-60g) per bait point. If more than one bait point is needed, the distance between bait stations should be 5m for high infestations and 10m for low infestations. Mice 1 block (20g) per bait point. If more than one bait point is needed, the distance between bait stations should be 2m for high infestations and 5m for low infestations. Direct application of ready-to-use bait into the burrow Rats 1-3 blocks (20-60g) per burrow
Application rate(s) and frequencies	Application Rate: Rats: 1-3 blocks (20-60g) of bait per bait station; Mice: 1 block (20g) of bait per bait station Dilution (%): None. Number and timing of application: Initial inspections of bait points after 3 days is recommended. Replace any bait that has been consumed. Repeat approximately 4 days later and then weekly. Replace contaminated or spoiled bait.
Category(ies) of users	Trained professional
Pack sizes and packaging material	Pack size 2.5kg, 3kg, 5kg, 10kg. Loose bait within a HDPE tub.

4.4.1 Use-specific instructions for use

Protect bait from the atmospheric conditions. Place the baiting points in areas non-labile to flooding.

Replace any bait in baiting points in which bait has been damaged by water or contaminated by dirt.

Remove the remaining product at the end of treatment period (except when directly applied into burrows).

For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species. Baits must be placed to minimise the exposure to non-target species and children

Cover or block the entrances of baited burrows to reduce the risks of bait being rejected and spilled.

Follow any additional instructions provided by the relevant code of best practice

4.4.2 Use-specific risk mitigation measures

Where possible, prior to the treatment inform any possible bystanders (e.g. users of the treated area and their surroundings) about the rodent control campaign.

Consider preventive control measures (e.g. plug holes, remove potential food and drinking as far as possible) to improve product intake and reduce the likelihood of re-invasion.

To reduce risk of secondary poisoning, search for and remove dead rodents during treatment at frequent intervals, in line with the recommendations provided by the relevant code of best practice.

Do not use the product as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.

4.4.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

When placing bait points close to surface waters (e.g. rivers, ponds, water channels, dykes, irrigation ditches) or water drainage systems, ensure that bait contact with water is avoided.

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

See Section 5.4

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

See Section 5.5

4.5 Use description

Use 5 - Trained Professionals - Rats - In sewers

Product type

PT14 - Rodenticides (Pest control)

Where relevant, an exact description of the authorised use	Not applicable.
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: Brown rat Development stage: All
Field(s) of use	Other Ready-to-use bait to be used in tamper-resistant bait stations or securely attached to structures/fittings in sewers.
Application method(s)	Method: Bait application Detailed description: Tamper resistant bait stations or attached securely to the structure/fittings in the sewer Rats Secure 1-10 blocks (20-200g) per station to available structures to ensure blocks are not washed away
Application rate(s) and frequencies	Application Rate: Rats: 1-10 blocks (20-200g) per station Dilution (%): None. Number and timing of application: Initial inspections of bait points after 3 days is recommended. Replace any bait that has been consumed. Repeat approximately 4 days later and then weekly. Replace contaminated or spoiled bait.
Category(ies) of users	Trained professional
Pack sizes and packaging material	Pack size 2.5kg, 3kg, 5kg, 10kg. Loose bait within a HDPE tub or pail

4.5.1 Use-specific instructions for use

Baits must be applied in a way so that they do not come into contact with water and are not washed away.
Follow any additional instructions provided by the relevant code of best practice

4.5.2 Use-specific risk mitigation measures

[If national policy or legislation requires it] Place bait only in sewer systems which are connected to sewage treatment plants.
Do not use this product in pulsed baiting treatments

4.5.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

See Section 5.3

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

See Section 5.4

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

See Section 5.5

5. General directions for use

5.1. Instructions for use

Trained Professionals

Read and follow the product information as well as any information accompanying the product or provided at the point of sale before using it.

Carry out a pre-baiting survey of the infested area and an on-site assessment in order to identify the rodent species, their places of activity and determine the likely cause and the extent of the infestation.

Remove food which is readily attainable for rodents (e.g. spilled grain or food waste). Apart from this, do not clean up the infested area just before the treatment, as this only disturbs the rodent population and makes bait acceptance more difficult to achieve.

The product should only be used as part of an integrated pest management (IPM) system, including, amongst others, hygiene measures and, where possible, physical methods of control.

Bait stations should be placed in the immediate vicinity of places where rodent activity has been previously observed (e.g. travel paths, nesting sites, feedlots, holes, burrows etc.).

Where possible, bait stations must be fixed to the ground or other structures.

Bait stations must be clearly labelled to show they contain rodenticides and that they must not be moved or opened (see section XX for the information to be shown on the label).

[If national policy or legislation require it] When the product is being used in public areas, the areas treated should be marked during the treatment period and a notice explaining the risk of primary or secondary poisoning by the anticoagulant as well as indicating the first measures to be taken in case of poisoning must be made available alongside the baits.

Bait should be secured so that it cannot be dragged away from the bait station.

Place the product out of the reach of children, birds, pets and farm animals and other non-target animals.

Place the product away from food, drink and animal feeding stuffs, as well as from utensils or surfaces that have contact with these.

When using the product do not eat, drink or smoke. Wash hands and directly exposed skin after using the product.

The frequency of visits to the treated area should be at the discretion of the operator, in light of the survey conducted at the outset of the treatment. Sites where burrow baiting is used should be visited more frequently than those where secure bait boxes are employed. The frequency should be consistent with the recommendations provided by the relevant code of practice.

If bait uptake is low relative to the apparent size of the infestation, consider the replacement of bait points to further places and the possibility to change to another bait formulation.

If after a treatment period of 35 days baits are continued to be consumed and no decline in rodent activity can be observed, the likely cause has to be determined. Where other elements have been excluded, it is likely that there are resistant rodent so consider the use of a non-anticoagulant rodenticide, where available, or a more potent anticoagulant rodenticide. Also consider the use of traps as an alternative control measure.

Professionals

Read and follow the product information as well as any information accompanying the product or provided at the point of sale before using it.

Carry out a pre-baiting survey of the infested area and an on-site assessment in order to identify the rodent species, their places of activity and determine the likely cause and the extent of the infestation.

Remove food which is readily attainable for rodents (e.g. spilled grain or food waste). Apart from this, do not clean up the infested area just before the treatment, as this only disturbs the rodent population and makes bait acceptance more difficult to achieve.

The product should only be used as part of an integrated pest management (IPM) system, including, amongst others, hygiene measures and, where possible, physical methods of control.

Consider preventative control measures (e.g. plug holes) to improve product intake and reduce the likelihood of reinvasion.

Bait stations should be placed in the immediate vicinity of places where rodent activity has been previously observed (e.g. travel paths, nesting sites, feedlots, holes, burrows etc.).

Where possible, bait stations must be fixed to the ground or other structures.

Bait stations must be clearly labelled to show they contain rodenticides and that they must not be moved or opened (see section x for the information to be shown on the label).

[If national policy or legislation require it] When the product is being used in public areas, the areas treated should be marked during the treatment period and a notice explaining the risk of primary or secondary poisoning by the anticoagulant as well as indicating the first measures to be taken in case of poisoning must be made available alongside the baits.

Bait should be secured so that it cannot be dragged away from the bait station.

Place the product out of the reach of children, birds, pets and farm animals and other non-target animals.

Place the product away from food, drink and animal feeding stuffs, as well as from utensils or surfaces that have contact with these.

When using the product do not eat, drink or smoke. Wash hands and directly exposed skin after using the product.

If bait uptake is low relative to the apparent size of the infestation, consider the replacement of bait points to further places and the possibility to change to another bait formulation.

If after a treatment period of 35 days baits are continued to be consumed and no decline in rodent activity can be observed, the likely cause has to be determined. Where other elements have been excluded, it is likely that there are resistant rodent so consider the use of a non-anticoagulant rodenticide, where available, or a more potent anticoagulant rodenticide. Also consider the use of traps as an alternative control measure.

Remove remaining bait or bait stations at the end of the treatment period.

5.2. Risk mitigation measures

Trained Professionals

Where possible, prior to the treatment inform any possible bystanders about the rodent control campaign.

Do not use in areas where resistance to the active substance can be suspected.

Products shall not be used beyond 35 days without an evaluation of the state of the infestation and of the efficacy of the treatment.

Do not rotate the use of different anticoagulants with comparable or weaker potency for resistant management purposes. For rotational use consider using a non-anticoagulant rodenticide, if available or a more potent anticoagulant rodenticide.

Do not wash the bait stations or utensils used in covered and protected bait points with water between applications.

Dispose dead rodents in accordance with local requirements.

The product information (i.e. label and/or leaflet) shall clearly show that the product shall only be supplied to trained professional users holding certification demonstrating compliance with the applicable training requirements ("For Trained Professionals Only")

Professionals

Where possible, prior to the treatment inform any possible bystanders about the rodent control campaign.

To reduce risk of secondary poisoning, search for and remove dead rodents at frequent intervals during treatment (e.g. at least twice a week).

Products shall not be used beyond 35 days without an evaluation of the state of the infestation and of the efficacy of the treatment.

Do not use baits containing anticoagulant active substances as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.

The product information (i.e. label and/or leaflet) shall clearly show that: The product shall not be supplied to the general public (e.g. "For Professionals Only").

Using this product should eliminate rodents within 35 days. The product information (i.e. label and/or leaflet) shall clearly recommend that in case of suspected lack of efficacy by the end of the treatment (i.e. rodent activity is still observed), the user should seek advice from the product supplier or call a pest control service.

Do not wash the bait stations with water between applications.

Dispose dead rodents in accordance with local requirements

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

This product contains an anticoagulant substance. If ingested, symptoms, which may be delayed, may include nosebleed and bleeding gums. In severe cases, there may be bruising and blood present in the faeces or urine.

Antidote: Vitamin K1 administered by medical/veterinary personnel only.

In case of:

Dermal exposure, wash skin with water and then with water and soap.

Eye exposure, rinse eyes with eyes-rinse liquid or water, keep eyes lids open at least 10 minutes.

Oral exposure, rinse mouth carefully with water. Never give anything by mouth to unconscious person. Do not provoke vomiting. If swallowed, seek medical advice immediately and show the product's container or label.

Contact a veterinary surgeon in case of ingestion by a pet [insert country specific info].

Bait stations must be labelled with the following information: "do not move or open"; "contains a rodenticide"; "product name or authorisation number"; "active substance(s)" and "in case of incident, call a poison centre [insert country relevant number]".

Hazardous to wildlife.

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

At the end of the treatment, dispose the uneaten bait and the packaging in accordance with local requirements.
Use of gloves is recommended

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

Store in a dry, cool and well ventilated place. Keep the container closed and away from direct sunlight.

Store in places prevented from the access of children, birds, pets and farm animals.

Shelf life: 2 years

6. Other information

Because of their delayed mode of action, anticoagulant rodenticides may take from 4 to 10 days to be effective after effective consumption of the bait.

Rodents can be disease carriers. Do not touch dead rodents with bare hands, use gloves or use tools such as tongs when disposing them.

This product contains a bittering agent and a dye.

Use Biocides Safely and Sustainably

It is illegal to use this product for uses or in a manner other than that prescribed on this label.

Poison Information: For information or to report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166), retain the label for reference.