

Summary of product characteristics for a biocidal product

Product name: Vertox Excel

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

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Authorisation number: IE/BPA 70532

R4BP 3 asset reference number: IE-0000262-0000

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Administrative information

1.1. Trade names of the product

Vertox Excel

1.2. Authorisation holder

Name and address of the authorisation holder	Name	PelGar International Limited
	Address	18 rue des Remparts d'Ainay 69002 Lyon France
Authorisation number		IE/BPA 70532
R4BP 3 asset reference number		IE-0000262-0000
Date of the authorisation		18/07/2013
Expiry date of the authorisation		01/07/2024

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	PelGar International Limited
Address of the manufacturer	Unit 13, Newman Lane GU34 2QR Alton, Hants United Kingdom
Location of manufacturing sites	Unit 13, Newman Lane GU34 2QR Alton, Hants United Kingdom
	Unichem d.o.o, Sinja Corica 2 1360 Vrhnika Slovenia

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

Active substance	11 - Brodifacoum
Name of the manufacturer	PelGar International Limited
Address of the manufacturer	Unit 13, Newman Lane GU34 2QR Alton, Hants United Kingdom
Location of manufacturing sites	Prazska 54 280 02 Kolin Czech Republic

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): Block

3. Hazard and precautionary statements

Hazard statements

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
 May cause damage to organs (blood) through prolonged or repeated exposure ..
 May damage the unborn child.

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.
 Get medical advice if you feel unwell.

Store locked up.

Dispose of contents to in accordance with national regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - House mice – professionals – indoor

Product type	PT14 - Rodenticides (Pest control)
Where relevant, an exact description of the authorised use	Not relevant for rodenticides.
Target organism(s) (including development stage)	Scientific name: <i>Mus musculus</i> Common name: House mouse Development stage: All
Field(s) of use	Indoor
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations.
Application rate(s) and frequencies	Application Rate: For mice use up to 20g in tamper-resistant bait stations. Dilution (%): 0 Number and timing of application: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres
Category(ies) of users	Professional
Pack sizes and packaging material	Minimum pack size 2.5 kg Loose 5g, 10g, or 20g blocks for professional use, within the following outer packaging: - PE or PP tub or pail Minimum pack size: 2.5kg Maximum pack size: 20kg Loose 5g, 10g, or 20g blocks either unlined or within a PP or wire-tied PE bag within a double-walled or fibreboard carton Minimum pack size: 2.5kg Maximum pack size: 20kg 5g, 10g, or 20g blocks. Fibreboard carton 'uni-trays' (moulded styrene tray with pop-out blocks) Minimum pack size: 2.5kg

Maximum pack size: 12kg

2, 3 or 4 x 5g blocks packed in a single or multi-use tamper-proof mouse HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper. Multiple mouse boxes within pack:

10g - 250
15g - 175, 250
20g - 125, 144
30g - 96, 120, 144
40g - 72, 96, 120
60g - 48, 60, 72, 96
80g - 32, 48, 60, 72, 96

1 or 2 x 10g or 1 x 20g blocks packed in a single or multi-use tamper-proof mouse PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2, 3, 4, 5 or 6 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper. Additional blocks may be included as refills in the outer.

Multiple mouse boxes within pack:

10g - 250
20g - 125, 144
30g - 96, 120, 144
40g - 72, 96, 120
50g - 48, 60, 72, 96
60g - 48, 60, 72, 96
80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
120g - 32, 48, 60, 72, 96

1 -20 x 20g in a PE sachet or PE, PVC or HIPS clamshell/blister packed in an outer with a multi-use PE, PP, PET, HIPS, PVC tamperproof rodent bait station.

Refill pack - Blister pack, pouch or sachet in a cardboard outer.

Multiple units within pack:

80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g - 16, 32, 48, 60, 72, 96
400g - 8, 16, 32, 48, 60, 72, 96

Refill pack - Blister pack, pouch or sachet (paper/PE, AL/PE, paper/Al/PE, PE, PP, PET, HIPS, PVC blister pack, pouch or sachet) in a cardboard outer.

Multiple units within pack:

80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g - 16, 32, 48, 60, 72, 96
400g - 8, 16, 32, 48, 60, 72, 96

4.1.1 Use-specific instructions for use

For mice secure 5 to 20 g of bait in tamper-resistant bait stations spaced 5m apart (2m apart in high infestation areas) in areas where mice are active.

Regularly check bait consumption and replace consumed or spoiled bait until consumption has stopped.

Repeat treatment in situations where there is evidence of new infestation (e.g. fresh tracks or droppings). Mice are very inquisitive and it may help the control program to move baits every 2-3 days at the time when bait points are inspected or topped up. Make frequent inspections of the bait points during the first 10-14 days and replace any bait eaten by rodents or that has been damaged by water or contaminated by dirt. If all the bait has been eaten from certain areas, increase the quantity of bait by placing more bait points. Do not increase the bait point size. Replace any bait eaten by rodents or that has been damaged by water or contaminated by dirt.

The bait stations should be visited at least every 2 to 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.

The resistance status of the target population should be taken into account when considering the choice of rodenticide to be used. In those areas where evidence of resistance to specific active ingredients is suspected, avoid their use. To control the spreading of resistance, it is advisable to alternate baits containing different anticoagulant active ingredients. Remove the remaining bait or the bait stations at the end of the treatment period.

4.1.2 Use-specific risk mitigation measures

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").
- the product shall be used in adequate tamper resistant bait stations (e.g. "use in tamper resistant bait stations only").
- users shall properly label bait stations with the information referred to in section 5.3 of the SPC (e.g. label bait stations according to the product recommendations").

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.

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

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

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

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

None.

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

None.

4.2 Use description

Use 2 - Rats – professionals – indoor

Product type

PT14 - Rodenticides (Pest control)

Where relevant, an exact description of the authorised use

Not relevant for rodenticides.

Target organism(s) (including development stage)

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

Field(s) of use	Indoor
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations
Application rate(s) and frequencies	Application Rate: 10-60g of bait in tamper resistant baiting stations spaced 10m apart (5m apart in areas of high infestation). Dilution (%): 0 Number and timing of application: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres
Category(ies) of users	Professional
Pack sizes and packaging material	<p>Minimum pack size 2.5 kg</p> <p>Loose 5g, 10g, 20g, 28g, 50g , 60g, 100g or 200g blocks for professional use, within the following outer packaging: - PE or PP tub or pail Minimum pack size: 2.5kg Maximum pack size: 20kg</p> <p>Loose 5g, 10g, 20g, 28g. 50g, 60g, 100g or 200g blocks either unlined or within a PP or wire-tied PE bag within a double-walled or fibreboard carton Minimum pack size: 2.5kg Maximum pack size: 20kg</p> <p>5g, 10g, 20g, 28g, 50g or 60g blocks. Fibreboard carton 'uni-trays' (moulded styrene tray with pop-out blocks) Minimum pack size: 2.5kg Maximum pack size: 12kg</p> <p>1, 2 or 3 x 20g blocks packed in a single or multi-use tamper-proof rat PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper Additional blocks may be included as refills in the outer. Multiple rat boxes within pack: 20g – 125, 144 40g – 72, 96, 120 60g – 48, 60, 72, 96 80g – 32, 48, 60, 72, 96 100g - 32, 48, 60, 72, 96 120g - 32, 48, 60, 72, 96 240g – 16, 32, 48, 60, 72, 96</p> <p>50g blocks packed in a single or multi-use tamper-proof rat HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper Multiple rat boxes within pack: 50g – 60, 72, 96 80g – 32, 48, 60, 72, 96 100g - 32, 48, 60, 72, 96 200g – 16, 32, 48, 60, 72, 96</p> <p>1 -20 x 20g in a PE sachet or PE, PVC or HIPS clamshell/blister packed in an outer with a multi-use PE, PP, PET, HIPS, PVC tamperproof rodent bait station. Refill pack - Blister pack, pouch or sachet in a cardboard outer.</p>

Multiple units within pack:
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

Refill pack - Blister pack, pouch or sachet (paper/PE, AL/PE, paper/Al/PE, PE, PP, PET, HIPS, PVC blister pack, pouch or sachet) in a cardboard outer.

Multiple units within pack:
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

4.2.1 Use-specific instructions for use

For rat infestations secure 10-60g of bait in tamper resistant baiting stations spaced 10m apart (5m apart in areas of high infestation) in areas where rats are active.
Regularly check bait consumption and replace consumed or spoilt bait until consumption has stopped. Repeat treatment in situations where there is evidence of new infestation (e.g. fresh tracks or droppings). Do not move or disturb bait points for several days after laying bait. If no signs of rat activity are seen near the bait after 7-10 days, move the bait to an area of higher rat activity.
The bait stations should be visited only 5 to 7 days after 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.
The resistance status of the target population should be taken into account when considering the choice of rodenticide to be used. In those areas where evidence of resistance to specific active ingredients is suspected, avoid their use. To control the spreading of resistance, it is advisable to alternate baits containing different anticoagulant active ingredients.
Remove the remaining bait or the bait stations at the end of the treatment period

4.2.2 Use-specific risk mitigation measures

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").
- the product shall be used in adequate tamper resistant bait stations (e.g. "use in tamper resistant bait stations only").
- users shall properly label bait stations with the information referred to in section 5.3 of the SPC (e.g. label bait stations according to the product recommendations").
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.
Do not use baits containing anticoagulant active substances as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.

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

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

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

None

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

None

4.3 Use description

Use 3 - House mice and/or rats – professionals – outdoor around buildings

Product type	PT14 - Rodenticides (Pest control)
Where relevant, an exact description of the authorised use	Not relevant for rodenticides.
Target organism(s) (including development stage)	Scientific name: <i>Mus musculus</i> and/or <i>Rattus norvegicus</i> Common name: House mouse/and or Brown rat Development stage: All
Field(s) of use	Outdoor Outdoor around buildings
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations.
Application rate(s) and frequencies	Application Rate: Mice: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres Rats: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres Dilution (%): 0 Number and timing of application: Mice: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres Rats: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres
Category(ies) of users	Professional
Pack sizes and packaging material	Minimum pack size 2.5 kg Loose 5g, 10g, 20g, 28g, 50g , 60g, 100g or 200g blocks for professional use, within the following outer packaging: - PE or PP tub or pail Minimum pack size: 2.5kg

Maximum pack size: 20kg

Loose 5g, 10g, 20g, 28g, 50g, 60g, 100g or 200g blocks either unlined or within a PP or wire-tied PE bag within a double-walled or fibreboard carton

Minimum pack size: 2.5kg

Maximum pack size: 20kg

5g, 10g, 20g, 28g, 50g or 60g blocks.

Fibreboard carton 'uni-trays' (moulded styrene tray with pop-out blocks)

Minimum pack size: 2.5kg

Maximum pack size: 12kg

2, 3 or 4 x 5g blocks packed in a single or multi-use tamper-proof mouse HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper.

Multiple mouse boxes within pack:

10g - 250

15g - 175

20g - 125, 144

30g - 96, 120, 144

40g - 72, 96, 120

60g - 48, 60, 72, 96

80g - 32, 48, 60, 72, 96

1 or 2 x 10g or 1 x 20g blocks packed in a single or multi-use tamper-proof mouse PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2, 3, 4, 5 or 6 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper. Additional blocks may be included as refills in the outer.

Multiple mouse boxes within pack:

10g - 250

20g - 125, 144

30g - 96, 120, 144

40g - 72, 96, 120

50g - 50, 60, 72, 96

60g - 48, 60, 72, 96

80g - 32, 48, 60, 72, 96

100g - 32, 48, 60, 72, 96

120g - 32, 48, 60, 72, 96

1, 2 or 3 x 20g blocks packed in a single or multi-use tamper-proof rat PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper

Additional blocks may be included as refills in the outer.

Multiple rat boxes within pack:

20g - 125, 144

40g - 72, 96, 120

60g - 48, 60, 72, 96

80g - 32, 48, 60, 72, 96

100g - 32, 48, 60, 72, 96

120g - 32, 48, 60, 72, 96

240g - 16, 32, 48, 60, 72, 96

50g blocks packed in a single or multi-use tamper-proof rat HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper

Multiple rat boxes within pack:

50g - 60, 72, 96

80g - 32, 48, 60, 72, 96

100g - 32, 48, 60, 72, 96

200g - 16, 32, 48, 60, 72, 96

1 -20 x 20g in a PE sachet or PE, PVC or HIPS clamshell/blister packed in an outer with a multi-use PE, PP, PET, HIPS, PVC tamperproof rodent bait station.

Refill pack - Blister pack, pouch or sachet in a cardboard outer.

Multiple units within pack:

80g - 32, 48, 60, 72, 96

100g - 32, 48, 60, 72, 96

200g - 16, 32, 48, 60, 72, 96

400g - 8, 16, 32, 48, 60, 72, 96

Refill pack - Blister pack, pouch or sachet (paper/PE, AL/PE, paper/Al/PE, PE, PP, PET, HIPS, PVC blister pack, pouch or sachet) in a cardboard outer.
Multiple units within pack:
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

4.3.1 Use-specific instructions for use

For mice secure 5 to 20 g of bait in tamper-resistant bait stations spaced 5m apart (2m apart in high infestation areas) in areas where mice are active. Mice are very inquisitive and it may help the control program to move baits every 2-3 days at the time when bait points are inspected or topped up. Make frequent inspections of the bait points during the first 10-14 days and replace any bait eaten by rodents or that has been damaged by water or contaminated by dirt. If all the bait has been eaten from certain areas, increase the quantity of bait by placing more bait points. Do not increase the bait point size.

For rat infestations secure 10-60g of bait in tamper resistant baiting stations spaced 10m apart (5m apart in areas of high infestation) in areas where rats are active. Do not move or disturb bait points for several days after laying bait. If no signs of rat activity are seen near the bait after 7-10 days, move the bait to an area of higher rat activity. If all the bait has been eaten from certain areas, increase the quantity of bait by placing more bait points. Do not increase the bait point size

Replace any bait eaten by rodents or that has been damaged by water or contaminated by dirt.
Protect bait from the atmospheric conditions (e.g. rain, snow, etc.). Place the bait stations in areas not liable to flooding.
Replace any bait in a bait station in which bait has been damaged by water or contaminated by dirt.
The resistance status of the target population should be taken into account when considering the choice of rodenticide to be used. In those areas where evidence of resistance to specific active ingredients is suspected, avoid their use. To control the spreading of resistance, it is advisable to alternate baits containing different anticoagulant active ingredients.
Remove the remaining bait or the bait stations at the end of the treatment period.

4.3.2 Use-specific risk mitigation measures

Do not apply this product directly in the burrows.
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").
- the product shall be used in adequate tamper resistant bait stations (e.g. "use in tamper resistant bait stations only").
- users shall properly label bait stations with the information referred to in section 5.3 of the SPC (e.g. label bait stations according to the product recommendations").
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.
Do not use baits containing anticoagulant active substances 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 stations 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

None

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

Keep away from food, drink and animal feeding stuffs.

4.4 Use description

Use 4 - House mice and/or rats – trained professionals – indoor

Product type	PT14 - Rodenticides (Pest control)
Where relevant, an exact description of the authorised use	Not relevant for rodenticides.
Target organism(s) (including development stage)	Scientific name: <i>Mus musculus</i> and/or <i>Rattus norvegicus</i> Common name: House mouse and/or Brown rat Development stage: All
Field(s) of use	Indoor Indoors
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in covered bait points or in tamper-resistant bait stations
Application rate(s) and frequencies	Application Rate: Mice: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres Rats: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres Dilution (%): 0 Number and timing of application: Mice: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres Rats: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres
Category(ies) of users	Trained professional
Pack sizes and packaging material	Minimum pack size 2.5 kg Loose 5g, 10g, 20g, 28g, 50g , 60g, 100g or 200g blocks for professional use, within the following outer packaging: - PE or PP tub or pail Minimum pack size: 2.5kg Maximum pack size: 20kg

Loose 5g, 10g, 20g, 28g, 50g, 60g, 100g or 200g blocks either unlined or within a PP or wire-tied PE bag within a double-walled or fibreboard carton
Minimum pack size: 2.5kg
Maximum pack size: 20kg

5g, 10g, 20g, 28g, 50g or 60g blocks.
Fibreboard carton 'uni-trays' (moulded styrene tray with pop-out blocks)
Minimum pack size: 2.5kg
Maximum pack size: 12kg

2, 3 or 4 x 5g blocks packed in a single or multi-use tamper-proof mouse HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper.
Multiple mouse boxes within pack:

10g - 250
15g - 175
20g - 96, 120, 144
30g - 96, 120, 144
40g - 72, 96, 120
60g - 48, 60, 72, 96
80g - 32, 48, 60, 72, 96

1 or 2 x 10g or 1 x 20g blocks packed in a single or multi-use tamper-proof mouse PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2, 3, 4, 5 or 6 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper. Additional blocks may be included as refills in the outer.

Multiple mouse boxes within pack:

10g - 250
20g - 125, 144
30g - 96, 120, 144
40g - 72, 96, 120
50g - 48, 60, 72, 96
60g - 48, 60, 72, 96
80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
120g - 32, 48, 60, 72, 96

1, 2 or 3 x 20g blocks packed in a single or multi-use tamper-proof rat PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper

Additional blocks may be included as refills in the outer.

Multiple rat boxes within pack:

20g - 125, 144
40g - 72, 96, 120
60g - 48, 60, 72, 96
80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
120g - 32, 48, 60, 72, 96
240g - 16, 32, 48, 60, 72, 96

50g blocks packed in a single or multi-use tamper-proof rat HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper

Multiple rat boxes within pack:

50g - 60, 72, 96
80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g - 16, 32, 48, 60, 72, 96

1 -20 x 20g in a PE sachet or PE, PVC or HIPS clamshell/blister packed in an outer with a multi-use PE, PP, PET, HIPS, PVC tamperproof rodent bait station.

Refill pack - Blister pack, pouch or sachet in a cardboard outer.

Multiple units within pack:

80g - 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g - 16, 32, 48, 60, 72, 96
400g - 8, 16, 32, 48, 60, 72, 96

Refill pack - Blister pack, pouch or sachet (paper/PE, AL/PE, paper/Al/PE, PE, PP, PET,

HIPS, PVC blister pack, pouch or sachet) in a cardboard outer.
Multiple units within pack:
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

4.4.1 Use-specific instructions for use

Remove the remaining product at the end of treatment period.
[When available] Follow any additional instructions provided by the relevant code of best practice.
If used for pulsed baiting: Replace eaten bait only after 3 days and then at maximum 7 day intervals. Collect any spilled bait and dead rodents. Follow the specific instructions provided by the applicable code of good practice at national level.

The frequency of visits to the treated area should be at the discretion of the operator, in the light of the survey conducted at the outset of the treatment. That frequency should be consistent with the recommendations provided by the relevant code of best practice.

4.4.2 Use-specific risk mitigation measures

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 (e.g. "for trained professionals only"). 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 resistance management purposes. For rotational use, consider using a non-anticoagulant rodenticide, if available, or a more potent anticoagulant.

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

Prevent skin contact when disposing remains of baits.

Do not use this 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 stations close to 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

None

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

None

4.5 Use description

Use 5 - House mice and/or rats – trained professionals – outdoor around buildings

Product type	PT14 - Rodenticides (Pest control)
Where relevant, an exact description of the authorised use	Not relevant for rodenticides.
Target organism(s) (including development stage)	Scientific name: Mus musculus and/or Rattus norvegicus Common name: House mouse and /or Brown rat Development stage: All
Field(s) of use	Outdoor Outdoor around buildings
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be used in covered bait points or in tamper-resistant bait stations Direct application of ready-to-use bait into the burrow
Application rate(s) and frequencies	Application Rate: Mice: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres Rats: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres Dilution (%): 0 Number and timing of application: Mice: 5 to 20 g of bait per bait station. High infestation – 5 to 20g bait in bait stations every 2 metres Low infestation – 5 to 20g bait in bait stations every 5 metres Rats: 10 to 60 g of bait per bait station. High infestation – 10 to 60g bait in bait stations every 5 metres Low infestation – 10 to 60g bait in bait stations every 10 metres Burrow baiting - 10 to 60 g of bait per burrow
Category(ies) of users	Trained professional
Pack sizes and packaging material	Minimum pack size 2.5 kg Loose 5g, 10g, 20g, 28g, 50g , 60g, 100g or 200g blocks for professional use, within the following outer packaging: - PE or PP tub or pail Minimum pack size: 2.5kg Maximum pack size: 20kg Loose 5g, 10g, 20g, 28g. 50g, 60g, 100g or 200g blocks either unlined or within a PP or wire-tied PE bag within a double-walled or fibreboard carton Minimum pack size: 2.5kg Maximum pack size: 20kg 5g, 10g, 20g, 28g, 50g or 60g blocks. Fibreboard carton 'uni-trays' (moulded styrene tray with pop-out blocks) Minimum pack size: 2.5kg

Maximum pack size: 12kg

2, 3 or 4 x 5g blocks packed in a single or multi-use tamper-proof mouse HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper.

Multiple mouse boxes within pack:

10g - 250
15g - 175
20g – 96, 120, 144
30g – 96, 120, 144
40g – 72, 96, 120
60g – 48, 60, 72, 96
80g – 32, 48, 60, 72, 96

1 or 2 x 10g or 1 x 20g blocks packed in a single or multi-use tamper-proof mouse PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2, 3, 4, 5 or 6 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper. Additional blocks may be included as refills in the outer.

Multiple mouse boxes within pack:

10g - 250
20g – 96, 120, 144
30g – 96, 120, 144
40g – 72, 96, 120
50g - 48, 60, 72, 96
60g – 48, 60, 72, 96
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
120g - 32, 48, 60, 72, 96

1, 2 or 3 x 20g blocks packed in a single or multi-use tamper-proof rat PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper.

Additional blocks may be included as refills in the outer.

Multiple rat boxes within pack:

20g – 96, 120, 144
40g – 72, 96, 120
60g – 48, 60, 72, 96
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
120g - 32, 48, 60, 72, 96
240g – 16, 32, 48, 60, 72, 96

50g blocks packed in a single or multi-use tamper-proof rat HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper.

Multiple rat boxes within pack:

50g – 60, 72, 96
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96

1 -20 x 20g in a PE sachet or PE, PVC or HIPS clamshell/blister packed in an outer with a multi-use PE, PP, PET, HIPS, PVC tamperproof rodent bait station.

Refill pack - Blister pack, pouch or sachet in a cardboard outer.

Multiple units within pack:

80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

Refill pack - Blister pack, pouch or sachet (paper/PE, AL/PE, paper/Al/PE, PE, PP, PET, HIPS, PVC blister pack, pouch or sachet) in a cardboard outer.

Multiple units within pack:

80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

4.5.1 Use-specific instructions for use

[For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species].
[When available] Follow any additional instructions provided by the relevant code of best practice.
When used in burrows: 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. [When available] Follow any additional instructions provided by the relevant code of best practice.

The frequency of visits to the treated area should be at the discretion of the operator, in the light of the survey conducted at the outset of the treatment. That frequency should be consistent with the recommendations provided by the relevant code of best practice.

Protect bait from the atmospheric conditions (e.g. rain, snow, etc.). Place the bait stations in areas not liable to flooding.
Remove the remaining product at the end of treatment period.
Replace any bait in baiting points in which bait has been damaged by water or contaminated by dirt.
If used for pulsed baiting: Replace eaten bait only after 3 days and then at maximum 7 day intervals.. Collect any spilled bait and dead rodents. [When available] Follow the specific instructions provided by the applicable code of good practice at national level.

4.5.2 Use-specific risk mitigation measures

Do not use the product as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.
When used in burrows: 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.
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 (e.g. "for trained professionals only").
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 resistance management purposes. For rotational use, consider using a non-anticoagulant rodenticide, if available, or a more potent anticoagulant.
Do not wash the bait stations or utensils used in covered and protected bait points with water between applications.

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

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.

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

None

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

None

4.6 Use description

Use 6 - Rats – trained professionals – sewers

Product type

PT14 - Rodenticides (Pest control)

Where relevant, an exact description of the authorised use	Not relevant for rodenticides.
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: Brown rat Development stage: All
Field(s) of use	Other Sewers
Application method(s)	Method: Bait application Detailed description: Ready-to-use bait to be anchored or applied in bait stations preventing the bait from getting into contact with waste water.
Application rate(s) and frequencies	Application Rate: In sewers, place 200 g to 300 g of blocks every 30-50m (never more than 300 g at each manhole). Dilution (%): 0 Number and timing of application: In sewers, place 200 g to 300 g of blocks every 30-50m (never more than 300 g at each manhole). Secure the blocks to available structures to ensure they are not washed away. Regularly check bait consumption and replace consumed or spoilt bait until consumption has stopped. Repeat treatment in situations where there is evidence of new infestation.
Category(ies) of users	Trained professional
Pack sizes and packaging material	Minimum pack size 2.5 kg Loose 5g, 10g, 20g, 28g, 50g , 60g, 100g or 200g blocks for professional use, within the following outer packaging: - PE or PP tub or pail Minimum pack size: 2.5kg Maximum pack size: 20kg Loose 5g, 10g, 20g, 28g. 50g, 60g, 100g or 200g blocks either unlined or within a PP or wire-tied PE bag within a double-walled or fibreboard carton Minimum pack size: 2.5kg Maximum pack size: 20kg 5g, 10g, 20g, 28g, 50g or 60g blocks. Fibreboard carton 'uni-trays' (moulded styrene tray with pop-out blocks) Minimum pack size: 2.5kg Maximum pack size: 12kg 1, 2 or 3 x 20g blocks packed in a single or multi-use tamper-proof rat PET, HIPS, PVC, PE, HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper Additional blocks may be included as refills in the outer. Multiple rat boxes within pack: 20g – 96, 120, 144 40g – 72, 96, 120 60g – 48, 60, 72, 96

80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
120g - 32, 48, 60, 72, 96
240g – 16, 32, 48, 60, 72, 96

50g blocks packed in a single or multi-use tamper-proof rat HDPE or PP bait station, all packed in multiples of 1, 2 or 4 in a cardboard outer or blister pack or cardboard sleeve or heat-sealed bag or poly outer heat-sealed with a cardboard topper

Multiple rat boxes within pack:

50g – 60, 72, 96
80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96

1 -20 x 20g in a PE sachet or PE, PVC or HIPS clamshell/blister packed in an outer with a multi-use PE, PP, PET, HIPS, PVC tamperproof rodent bait station.

Refill pack - Blister pack, pouch or sachet in a cardboard outer.

Multiple units within pack:

80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

Refill pack - Blister pack, pouch or sachet (paper/PE, AL/PE, paper/Al/PE, PE, PP, PET, HIPS, PVC blister pack, pouch or sachet) in a cardboard outer.

Multiple units within pack:

80g – 32, 48, 60, 72, 96
100g - 32, 48, 60, 72, 96
200g – 16, 32, 48, 60, 72, 96
400g – 8, 16, 32, 48, 60, 72, 96

4.6.1 Use-specific instructions for use

In sewers, place 200 g to 300 g of blocks every 30-50m (never more than 300 g at each manhole).

Secure the blocks to available structures to ensure they are not washed away. Regularly check bait consumption and replace consumed or spoilt bait until consumption has stopped. Repeat treatment in situations where there is evidence of new infestation. The frequency of visits to the treated area should be at the discretion of the operator, in the light of the survey conducted at the outset of the treatment. That frequency should be consistent with the recommendations provided by the relevant code of best practice.

Baits must be applied in a way so that they do not come into contact with water and are not washed away.

The resistance status of the target population should be taken into account when considering the choice of rodenticide to be used. In those areas where evidence of resistance to specific active ingredients is suspected, avoid their use. To control the spreading of resistance, it is advisable to alternate baits containing different anticoagulant active ingredients.

4.6.2 Use-specific risk mitigation measures

[If national policy or legislation requires it] Place baits only in sewer systems which are connected to the sewage treatment plant.

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 (e.g. "for trained professionals only").

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 resistance management purposes. For rotational use, consider using a non-anticoagulant rodenticide, if available, or a more potent anticoagulant.

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

Do not use this product in pulsed baiting treatments.

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

4.6.3 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.

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

None

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

None

5. General directions for use

5.1. Instructions for use

Read and follow the product information as well as any information accompanying the product or provided at the point of sale before using it.
[When available] Follow any additional instructions provided by the relevant code of best practice.
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 preventive control measures (e.g. plug holes, remove potential food and drink as far as possible) to improve product intake and reduce the likelihood of reinvasion.
Bait stations/ points 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 2.5.3 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, 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.
If bait uptake is low relative to the apparent size of the infestation, consider the replacement of bait stations to further places and the possibility to change to another bait formulation.
When using the product do not eat, drink or smoke. Wash hands and directly exposed skin after using the product.
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 rodents, 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 the remaining bait or the bait stations at the end of the treatment period.

5.2. 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 [in accordance with the applicable code of good practice, if any]".
Dispose of dead rodents in accordance with local requirements [The method of disposal shall be described specifically in the national SPC and be reflected on the product label].
To reduce risk of secondary poisoning, search for and remove dead rodents at frequent intervals during treatment (e.g. at least twice a week) [Where relevant, specify if more frequent or daily inspection is required], in line with the recommendations provided by the relevant code of best practice.
Products shall not be used beyond 35 days without an evaluation of the state of the infestation and of the efficacy of the treatment.

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.

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 national phone number]".

Hazardous to wildlife.

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

At the end of the treatment, dispose of 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

Shelf-life: 24 months
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.
Keep only in original container.

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.