

Summary of product characteristics for a biocidal product

Product name: Bromatrol

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

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Authorisation number: UK-2014-0826

R4BP 3 asset reference number: UK-0005200-0000

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Administrative information

1.1. Trade names of the product

Bromatrol

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Rentokil Initial
	Address	The Power Centre, Unit A1 & A2, Link 10 Napier Way RH10 9RA Crawley United Kingdom
Authorisation number	UK-2014-0826	
R4BP 3 asset reference number	UK-0005200-0000	
Date of the authorisation	28/03/2014	
Expiry date of the authorisation	18/03/2023	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Rentokil Initial Supplies
Address of the manufacturer	Webber Road, Knowsley Industrial Park L33 7SR Liverpool United Kingdom
Location of manufacturing sites	Webber Road, Knowsley Industrial Park L33 7SR Liverpool United Kingdom

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

Active substance	12 - Bromadiolone
Name of the manufacturer	PelGar International Ltd
Address of the manufacturer	Unit 13, Newman Lane Industrial Estate GU34 2QR Alton United Kingdom
Location of manufacturing sites	Prazska 54, 28002 Kolin Czech Republic
Active substance	12 - Bromadiolone
Name of the manufacturer	Liphatech S.A.S.
Address of the manufacturer	Bonnel BP3 47480 Pont du Casse France
Location of manufacturing sites	AlzChem Trostberg GmbH, Chemiepark Trostberg, Dr. Albert-Frant-Straße 32 83308 Trostberg Germany

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 (%)
Bromadiolone	3-[3-(4'-Bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one	Active Substance	28772-56-7	249-205-9	0.005

2.2. Type of formulation

RB - Bait (ready for use)

3. Hazard and precautionary statements

Hazard statements	<p>May damage the unborn child.</p> <p>Causes damage to organs through prolonged or repeated exposure .</p>
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Precautionary statements

Obtain special instructions before use.

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

IF exposed or concerned: Get medical attention.

Store locked up.

Dispose of contents to waste disposal site.

Do not breathe dust.

Wear protective gloves.

4. Authorised use(s)

4.1 Use description

Use 1 - – Professional users with demonstrated competence (equivalent to 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)

Mus musculus-House mouse-All
Rattus norvegicus-Brown rat-All

Field(s) of use

Indoor
Indoors

Application method(s)

Bait application -
Ready-to-use bait to be used in tamper-resistant bait stations
Covered and protected baiting points.

Application rate(s) and frequencies

250g in bait points - 100 -
Mice
High infestation – Up to 50g bait per baiting point every 5 metres
Low infestation – Up to 50g bait per baiting point every 10 metres
Rats
High infestation – Up to 250g bait per baiting point every 5 metres
Low infestation – Up to 250g bait per baiting point every 10 metres

Category(ies) of users	<p>Trained professional</p> <p>Professional</p>
Pack sizes and packaging material	<p>Plastic sachets in a plastic tub (sachets of 50g, 100g and 150g) - 3kg to 12kg</p> <p>Loose grain in a plastic bucket - 3kg to 10kg</p> <p>Loose grain in a plastic sack - 3kg to 10kg</p>

4.1.1 Use-specific instructions for use

- Remove the remaining product at the end of treatment period.

- Sites under a permanent baiting regime should be inspected regularly in accordance with product label directions. The period between visits should be determined by the technician in charge but will not be longer than every four weeks when permanent baiting is conducted outdoors. For permanent baiting follow any additional instructions provided by the CRRU Guidance on Permanent Baiting"

4.1.2 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 reinvasion.

- 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.

- Permanent baiting is strictly limited to sites with a high potential for reinvasion when other methods of control have proven insufficient

- The permanent baiting strategy shall be periodically reviewed in the context of integrated pest management (IPM) and the assessment of the risk for re-infestation.

- 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

- When placing bait points 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

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 - Professional users with demonstrated competence (equivalent to 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)

Rattus norvegicus-Brown rat-All
Mus musculus-House mouse-All

Field(s) of use

Outdoor
Outdoors - around buildings

Application method(s)

Bait application -
Ready-to-use bait to be used in tamper-resistant bait stations
Covered and protected baiting points.
Direct application of ready-to-use bait into burrows

Application rate(s) and frequencies

250g bait points - 100 -
Mice
High infestation – Up to 50g bait per baiting point every 5 metres
Low infestation – Up to 50g bait per baiting point every 10 metres
Rats
High infestation – Up to 250g bait per baiting point every 5 metres
Low infestation – Up to 250g bait per baiting point every 10 metres

Category(ies) of users	Trained professional Professional
Pack sizes and packaging material	Plastic sachets in a plastic tub (sachets of 50g, 100g and 150g) - 3kg to 12kg Loose grain in a plastic bucket - 3kg to 10kg Loose grain in a plastic sack - 3kg to 10kg

4.2.1 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 to burrows).
- Sites under a permanent baiting regime should be inspected regularly in accordance with product label directions. The period between visits should be determined by the technician in charge but will not be longer than every four weeks when permanent baiting is conducted outdoors. For permanent baiting follow any additional instructions provided by the CRRU Guidance on Permanent Baiting"
- Baits must be placed to minimize 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.
- For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species.

4.2.2 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 (plug holes, remove potential food and drinking as far as possible) to improve product intake and reduce the likelihood of reinvasion.
- 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.
- Permanent baiting is strictly limited to sites with a high potential for reinvasion when other methods of control have proven insufficient.
- The permanent baiting strategy shall be periodically reviewed in the context of integrated pest management (IPM) and the assessment of the risk for re-infestation
- Do not use this product in pulsed baiting treatments.

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 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.

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

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

Section 5.5

4.3 Use description

Use 3 - Professional users with demonstrated competence (equivalent to trained professionals) – Outdoor open areas

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)

Rattus norvegicus-Brown rat-All

Field(s) of use

Outdoor
Outdoors - open areas

Application method(s)

Bait application -
Ready-to-use bait to be used in tamper-resistant bait stations
Covered and protected baiting points.
Direct application of ready-to-use bait into burrows

Application rate(s) and frequencies

250g in bait points - 100 -
Rats
High infestation – Up to 250g bait in per baiting point every 5 metres
Low infestation – Up to 250g bait in per baiting point every 10 metres

Category(ies) of users

Trained professional
Professional

Pack sizes and packaging material

Plastic sachets in a plastic tub (sachets of 50g, 100g and 150g) - 3kg to 12kg
Loose grain in a plastic bucket - 3kg to 10kg
Loose grain in a plastic sack - 3kg to 10kg

4.3.1 Use-specific instructions for use

- Protect bait from the atmospheric conditions. Place the bait stations 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 to burrows).
- For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species
- Sites under a permanent baiting regime should be inspected regularly in accordance with product label directions. The period between visits should be determined by the technician in charge but will not be longer than every four weeks when permanent baiting is conducted outdoors. For permanent baiting follow any additional instructions provided by the CRRU Guidance on Permanent Baiting"
- 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.

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
- 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.
- Permanent baiting is strictly limited to sites with a high potential for reinvasion when other methods of control have proven insufficient
- The permanent baiting strategy shall be periodically reviewed in the context of integrated pest management (IPM) and the assessment of the risk for re-infestation.
- Do not use the product in pulsed baiting treatments.

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 - – Professional users with demonstrated competence (equivalent to 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)

Rattus norvegicus-Brown rat-All

Field(s) of use

Other
Sewers

Application method(s)

Bait application -

- Ready-to-use bait to be anchored or applied in bait stations preventing the bait from getting into contact with waste water.

- Covered and protected baiting points

Application rate(s) and frequencies

300 g in per manhole - 100 -

Rats
Up to 300g per manhole

Category(ies) of users	Trained professional Professional
Pack sizes and packaging material	Plastic sachets in a plastic tub (sachets of 50g, 100g and 150g) - 3kg to 12kg Loose grain in a plastic bucket - 3kg to 10kg Loose grain in a plastic sack - 3kg to 10kg

4.4.1 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.

4.4.2 Use-specific risk mitigation measures

- Do not use the product in pulsed baiting treatments.

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

Section 5.3

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

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.
 - 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.
 - The product should be placed in the immediate vicinity of places where rodent activity has been previously explored (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 5.3 for the information to be shown on the label).
 - 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.
 - Wear protective chemical resistant gloves during product handling phrase (glove material to be specified by the authorisation holder within the product information).
 - 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 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.
 - 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.
 - Sites where burrow baiting is used should be visited more frequently than those where secure bait boxes are employed
- For non-emptiable sachets: Do not open the sachets containing the bait.
- Loose grains : Place the bait in the baiting point by using a dosage device. Specify the methods to minimise dust (e.g. wet wiping)

5.2. Risk mitigation measures

- 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 (unless permanent baiting).
- 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.
- Dispose dead rodents in accordance with local requirements.
- In the UK poisoned rodents may be disposed of by the waste producer at an incinerator or landfill permitted to accept that type of waste, or collected by a registered waste carrier and taken for disposal at a suitably permitted site. For further information on disposal contact the Environment Agency (<http://www.environment-agency.gov.uk>) or SEPA (<http://www.sepa.org.uk>).
- To be used only by professional users holding certification demonstrating compliance with UK rodenticide stewardship regime requirements.
- Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Refer to the CRRU UK Code of Best Practice (or equivalent) for guidance.
- When this product is supplied to a user for the control of rodents, it shall only be supplied to a professional user holding certification demonstrating compliance with UK rodenticide stewardship regime 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.
- UK medical professionals should contact the National Poisons Information Service (www.npis.org) for further advice.
- 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 accident, call a poison center".
- Hazardous to wildlife.

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

- At the end of the treatment, dispose uneaten bait and the packaging in accordance with local requirements.
- Use of gloves is recommended.
- For information on disposal in the UK contact the Environment Agency (<http://www.environment-agency.gov.uk>) or SEPA (<http://www.sepa.org.uk>).

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