

Summary of product characteristics for a biocidal product

Product name: MUSKIL PASTA BAIT

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

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Authorisation number: UK-2012-0648

R4BP 3 asset reference number: UK-0000042-0000

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Administrative information

1.1. Trade names of the product

Muskil Pasta Bait

1.2. Authorisation holder

Name and address of the authorisation holder	Name	ZAPI S.p.A.
	Address	via Terza Strada 12 35026 Conselve Italy
Authorisation number	UK-2012-0648	
R4BP 3 asset reference number	UK-0000042-0000	
Date of the authorisation	27/11/2012	
Expiry date of the authorisation	30/05/2023	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	ZAPI S.p.A.
Address of the manufacturer	Via Terza Strada 12 35026 Conselve (PD) Italy
Location of manufacturing sites	Via Terza Strada 12 35026 Conselve (PD) Italy

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

Active substance	26 - Difenacoum
Name of the manufacturer	PM TEZZA S.r.l.
Address of the manufacturer	Via del Lavoro 326 37050 Angiari Italy
Location of manufacturing sites	Via Tre Ponti 22 37050 S. Maria di Zevio (VR) Italy
Active substance	12 - Bromadiolone
Name of the manufacturer	PM TEZZA S.r.l.
Address of the manufacturer	Via del Lavoro 326 37050 Angiari Italy
Location of manufacturing sites	Via Tre Ponti 22 37050 S. Maria di Zevio (VR) Italy

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 (%)
Difenacoum	3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin	Active Substance	56073-07-5	259-978-4	0.0025
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	0.0025

2.2. Type of formulation

RB - Bait (ready for use)

3. Hazard and precautionary statements

Hazard statements

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

May damage the unborn child.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Do no eat, drink or smoke when using this product.

Wear protective gloves.

Get medical advice if you feel unwell.

Get medical attention if you feel unwell.

Store locked up.

Dispose of contents to local regulations.

Dispose of container to local regulations.

4. Authorised use(s)**4.1 Use description****Use 1 - Use #1 - House mice and/or rats - Professional users with demonstrated competence (equivalent to trained professionals) - indoor****Product type**

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Where relevant, an exact description of the authorised use

Not relevant for rodenticides

Target organism(s) (including development stage)

Mus musculus-house mice-all

Rattus norvegicus-Brown rat-all

Field(s) of use

Indoor

Indoor

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

Rats - Up to 100 g of bait per baiting point. Mice - Up to 50 g of bait per baiting point. - Ready-for-use. -

Mice

- High infestation: Up to 50 g of bait per baiting point every 2 metres.
- Low infestation: Up to 50 g of bait per baiting point every 5 metres.

Rats

- High infestation: Up to 100 g of bait per baiting point every 5 metres.
- Low infestation: Up to 100 g of bait per baiting point every 10 metres.

Category(ies) of users

Trained professional

Pack sizes and packaging material

Labelled plastic (PP) bucket with inner plastic (PE) liner (10g/15g paper sachets) - 3kg to 15 kg.
Labelled fibre-board carton with inner plastic (PE) liner (10g/15g paper sachets) - 5kg to 15 kg.
Labelled plastic (PET) trays with printed peel-off covering of up to 50 g in cardboard box for mice – 3kg to 15 kg.
Labelled plastic (PET) trays with printed peel-off covering of up to 100 g in cardboard box for rats – 3kg to 15 kg.
Printed plastic (HDPE) tubes (for use with caulking gun) of 600 g in labelled cardboard box or in labelled plastic (PP) bucket – 3kg to 15 kg.
Labelled plastic (PP) bucket with inner plastic (PE) bags (10g paper sachets) - 5kg (10 plastic (PE) bags of 500g) and 10kg (20 plastic (PE) bags of 500g).

4.1.1 Use-specific instructions for use

- Remove the remaining product at the end of treatment period.
- Where possible, it is recommended that the treated area is revisited every 4 weeks at the latest in order to avoid any selection of a resistant population.
- [UK only:] 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.
- Do not use the product in pulsed baiting treatments.
- 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.

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 Directions for use.

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

See Directions for use

4.2 Use description

Use 2 - Use #2 - Mice and/or rats - 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)	Mus musculus-house mice-all Rattus norvegicus-Brown rat-all
Field(s) of use	Outdoor Outdoor around building
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

Rats - Up to 100 g of bait per baiting point. Mice - Up to 50 g of bait per baiting point. - Ready-for-use. -

Mice

- High infestation: Up to 50 g of bait per baiting point every 2 metres.
- Low infestation: Up to 50 g of bait per baiting point every 5 metres.

Rats

- High infestation: Up to 100 g of bait per baiting point every 5 metres.
- Low infestation: Up to 100 g of bait per baiting point every 10 metres.

Category(ies) of users

Trained professional

Pack sizes and packaging material

Labelled plastic (PP) bucket with inner plastic (PE) liner (10g/15g paper sachets) - 3kg to 15 kg.
Labelled fibre-board carton with inner plastic (PE) liner (10g/15g paper sachets) - 5kg to 15 kg.
Labelled plastic (PET) trays with printed peel-off covering of up to 50 g in cardboard box for mice – 3kg to 15 kg.
Labelled plastic (PET) trays with printed peel-off covering of up to 100 g in cardboard box for rats – 3kg to 15 kg.
Printed plastic (HDPE) tubes (for use with caulking gun) of 600 g in labelled cardboard box or in labelled plastic (PP) bucket – 3kg to 15 kg.
Labelled plastic (PP) bucket with inner plastic (PE) bags (10g paper sachets) - 5kg (10 plastic (PE) bags of 500g) and 10kg (20 plastic (PE) bags of 500g).

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.
- For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species.
- Where possible, it is recommended that the treated area is revisited every 4 weeks at the latest in order to avoid any selection of a resistant population.
- Remove the remaining product at the end of treatment period.
- [UK only:] 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.

4.2.2 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.
- Do not use this product in pulsed baiting treatments.
- Do not apply this product directly to burrows.
- 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.

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

See Directions for use.

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

See Directions for use.

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.
- Place the product away from food, drink and animal feeding stuffs, as well as from utensils or surfaces that have contact with these.
- Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
- 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.
- Do not open the sachets containing the bait.

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
- UK only: 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>).
- UK only: To be used only by professional users holding certification demonstrating compliance with UK rodenticide stewardship regime requirements.
- UK only: 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.
- UK only: 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. Contact a veterinary surgeon in case of ingestion by a pet.
UK only: UK medical professionals should contact the National Poisons Information Service (www.npis.org) for further advice.
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 centre".
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.
Wear protective chemical-resistant gloves (glove material to be specified by the authorisation holder in the product information) and a spatula for post-application tasks (cleaning/disposal of bait).
UK only: 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: 18-months.

6. Other information

- Because of their delayed mode of action, anticoagulant rodenticides take from 4 to 10 days to be effective after 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.