

**EN**

***ANNEX***

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

**MURIBROM BLOCK**

**Product type(s)**

PT14: Rodenticides

**Authorisation number:** RO/2019/0163/MRA/ES/APP(NA)-2018-14-00206

**R4BP asset number:** RO-0016222-0000

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|  |    |
|--|----|
| 1. ADMINISTRATIVE INFORMATION .....  | 3  |
| 1.1. Trade name(s) of the product .....  | 3  |
| 1.2. Authorisation holder .....  | 3  |
| 1.3. Manufacturer(s) of the product .....  | 3  |
| 1.4. Manufacturer(s) of the active substance(s) .....  | 3  |
| 2. PRODUCT COMPOSITION AND FORMULATION .....   | 4  |
| 2.1. Qualitative and quantitative information on the composition of the<br>product .....   | 4  |
| 2.2. Type(s) of formulation .....  | 4  |
| 3. HAZARD AND PRECAUTIONARY STATEMENTS .....   | 5  |
| 4. AUTHORISED USE(S) .....   | 6  |
| 4.1. Use description .....   | 6  |
| 4.2. Use description .....   | 7  |
| 4.3. Use description .....   | 8  |
| 5. GENERAL DIRECTIONS FOR USE .....  | 10 |
| 5.1. Instructions for use .....  | 10 |
| 5.2. Risk mitigation measures .....  | 10 |
| 5.3. Particulars of likely direct or indirect effects, first aid instructions and<br>emergency measures to protect the environment ..... | 10 |
| 5.4. Instructions for safe disposal of the product and its packaging .....   | 10 |
| 5.5. Conditions of storage and shelf-life of the product under normal<br>conditions of storage .....                                     | 11 |
| 6. OTHER INFORMATION .....   | 12 |

## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

|               |                |
|---------------|----------------|
| Trade name(s) | MURIBROM BLOCK |
|---------------|----------------|

### 1.2. Authorisation holder

|  |         |   |
|--|---------|---|
| Name and address of the authorisation holder | Name    | QUIMICA DE MUNGUIA S.A.                       |
|  | Address | DERIO BIDEA 51 48100 MUNGUIA Spain            |
| Authorisation number                         |         | RO/2019/0163/MRA/ES/<br>APP(NA)-2018-14-00206 |
| <i>R4BP asset number</i>                     |         | RO-0016222-0000                               |
| Date of the authorisation                    |         | 25/10/2013                                    |
| Expiry date of the authorisation             |         | 01/07/2024                                    |

### 1.3. Manufacturer(s) of the product

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Name of manufacturer            | QUIMICA DE MUNGUIA S.A.             |
| Address of manufacturer         | Derio Bidea, 51 48100 Munguía Spain |
| Location of manufacturing sites | Derio Bidea, 51 48100 Munguía Spain |

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

|                                 |  |
|---------------------------------|--|
| Active substance                | Bromadiolone   |
| Name of manufacturer            | Laboratorios Agrochem, S.L.                                |
| Address of manufacturer         | C/ Tres Rieres 10 - Pol. Ind. Sur 08292 Esparraguera Spain |
| Location of manufacturing sites | C/ Tres Rieres 10 - Pol. Ind. Sur 08292 Esparraguera Spain |

|                                 |  |
|---------------------------------|--|
| Active substance                | Bromadiolone                                 |
| Name of manufacturer            | Dr. Tezza, s.r.l.                            |
| Address of manufacturer         | Via Tre Ponti, 22 37050 Maria di Zevio Italy |
| Location of manufacturing sites | Via Tre Ponti, 22 37050 Maria di Zevio Italy |

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the 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(s) of formulation

RB Bait (ready for use)

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### 3. HAZARD AND PRECAUTIONARY STATEMENTS

|                          |   |
|--------------------------|---|
| Hazard statements        |   |
| Precautionary statements | P102: Keep out of reach of children.<br>P103: Read carefully and follow all instructions.<br>P280: Wear protective gloves.<br>P301+P310: IF SWALLOWED: Immediately call a doctor. |

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. Use 1 - For NON PROFESSIONAL personnel (GENERAL PUBLIC)**

|  |  |
|--|--|
| Product type   | PT14: Rodenticides   |
| Where relevant, an exact description of the authorised use | The product is an anticoagulant rodenticide / Vitamin K antagonists intended to control <i>Mus Musculus</i> and <i>Ratus Norvegicus</i> , by non-professional users in and around (maximum: 0.5m) buildings.   |
| Target organism(s) (including development stage)           | Scientific name: <i>Rattus norvegicus</i><br>Common name: brown rat<br>Development stage: adults<br><br>Scientific name: <i>Rattus norvegicus</i><br>Common name: brown rat<br>Development stage: juveniles<br><br>Scientific name: <i>Mus musculus</i><br>Common name: house mouse<br>Development stage: adults<br><br>Scientific name: <i>Mus musculus</i><br>Common name: house mouse<br>Development stage: juveniles |
| Field(s) of use  | indoor use<br>outdoor use<br><br>Indoor use Outdoor use (around buildings)   |
| Application method(s)                                      | Method: in bait boxes<br><br>Detailed description: Mice 50g of bait per station. Place bait station 5-10 metres apart. Rats up to 200g of bait in blocks of 20-50g. Or up to 100g of bait in blocks of 10-50g. Place bait station 5-10 meters apart. In sewers, each bait point usually contains up to 200g of bait in blocks of 100g.   |
| Application rate(s) and frequency                          | Application Rate: Mice 50g of bait per station. Rats Up to 200g of bait in blocks of 20-50g. Or up to 100g of bait in blocks of 10-50g.<br><br>Dilution (%): 0<br><br>Number and timing of application:<br>Baits points have to be checked every 2-3 days during the first 14 days of the treatment. Bait points should be removed, in a typical campaign, 6 weeks after initial placement.                              |
| Category(ies) of users                                     | general public (non-professional)  |
| Pack sizes and packaging material                          | Wax blocks of 10, 15, 20, 25, 30, 50 and 100g.<br>They are supplied inside paper, plastic or carton bags of 100, 150, 200, 250, 300, 400, 500g and 1kg.  |

#### 4.1.1. Use-specific instructions for use

Please refer to section General Directions for Use

#### 4.1.2. Use-specific risk mitigation measures

Please refer to section General Directions for Use

#### 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

Please refer to section General Directions for Use

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

Please refer to section General 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

Please refer to section General Directions for Use

### 4.2. Use description

**Table 2. Use 2 - For PROFESSIONAL personnel**

|  |  |
|--|--|
| Product type   | PT14: Rodenticides   |
| Where relevant, an exact description of the authorised use | The product is an anticoagulant rodenticide / Vitamin K antagonists intended to control <i>Mus Musculus</i> and <i>Ratus Norvegicus</i> , by professional (trained and non-trained) in and around (maximum: 0.5m) buildings.   |
| Target organism(s) (including development stage)           | Scientific name: <i>Rattus norvegicus</i><br>Common name: brown rat<br>Development stage: adults<br><br>Scientific name: <i>Rattus norvegicus</i><br>Common name: brown rat<br>Development stage: juveniles<br><br>Scientific name: <i>Mus musculus</i><br>Common name: house mouse<br>Development stage: adults<br><br>Scientific name: <i>Mus musculus</i><br>Common name: house mouse<br>Development stage: juveniles |
| Field(s) of use  | indoor use<br>outdoor use<br><br>Indoor use Outdoor use (around buildings)   |
| Application method(s)                                      | Method: in bait boxes<br><br>Detailed description: Mice 50g of bait per station. Place bait station 5-10 metres apart. Rats up to 200g of bait in blocks of 20-50g. Or up to 100g of bait in blocks of 10-50g. Place bait station 5-10 meters apart. In sewers, each bait point usually contains up to 200g of bait in blocks of 100g.   |
| Application rate(s) and frequency                          | Application Rate: Mice 50g of bait per station. Rats Up to 200g of bait in blocks of 20-50g. Or up to 100g of bait in blocks of 10-50g.<br><br>Dilution (%): 0   |

|                                   |   |
|-----------------------------------|---|
|                                   | Number and timing of application:<br>Baits points have to be checked every 2-3 days during the first 14 days of the treatment. Bait points should be removed, in a typical campaign, 6 weeks after initial placement. |
| Category(ies) of users            | professional  |
| Pack sizes and packaging material | Wax blocks of 10, 15, 20, 25, 30, 50 and 100g.<br>They are delivered inside paper, plastic or carton bags of 100, 150, 200, 250, 300, 400, 500g and 1, 2, 3, 5, 10, 15, 20 or 25kg.                                   |

#### 4.2.1. Use-specific instructions for use

Please refer to section General Directions for Use

#### 4.2.2. Use-specific risk mitigation measures

Please refer to section General Directions for Use

#### 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

Please refer to section General Directions for Use

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

Please refer to section General 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

Please refer to section General Directions for Use

### 4.3. Use description

**Table 3. Use 3 - For SPECIALISED PROFESSIONAL personnel**

|  |  |
|--|--|
| Product type   | PT14: Rodenticides   |
| Where relevant, an exact description of the authorised use | The product is an anticoagulant rodenticide / Vitamin K antagonists intended to control <i>Mus Musculus</i> and <i>Ratus Norvegicus</i> by trained professionals in open areas, in waste dumps and sewers.   |
| Target organism(s) (including development stage)           | Scientific name: <i>Rattus norvegicus</i><br>Common name: brown rat<br>Development stage: adults<br><br>Scientific name: <i>Rattus norvegicus</i><br>Common name: brown rat<br>Development stage: juveniles<br><br>Scientific name: <i>Mus musculus</i><br>Common name: house mouse<br>Development stage: adults<br><br>Scientific name: <i>Mus musculus</i><br>Common name: house mouse<br>Development stage: juveniles |
| Field(s) of use  | outdoor use<br><br>Open areas (waste dumps and sewers)   |
| Application method(s)                                      | Method: in bait boxes  |

|                                   |   |
|-----------------------------------|---|
|                                   | Detailed description: In sewers, each bait point usually contains up to 200g of bait in blocks of 100g.   |
| Application rate(s) and frequency | Application Rate: In sewers, each bait point usually contains up to 200g of bait in blocks of 100g.<br><br>Dilution (%): 0<br><br>Number and timing of application:<br>Baits points have to be checked every 2-3 days during the first 14 days of the treatment. Bait points should be removed, in a typical campaign, 6 weeks after initial placement. |
| Category(ies) of users            | trained professional  |
| Pack sizes and packaging material | Wax blocks of 150 and 200g for use in sewers.   |

#### **4.3.1. Use-specific instructions for use**

Please refer to section General Directions for Use

#### **4.3.2. Use-specific risk mitigation measures**

Please refer to section General Directions for Use

#### **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**

Please refer to section General Directions for Use

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

Please refer to section General Directions for Use

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

Please refer to section General Directions for Use

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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 5.1. Instructions for use

The bait is manually place in the rodent infested area.

The bait has to be placed in tamper resistant bait station, correctly labelled.

Dead rodents are moved for disposal in order to prevent them being eaten by non-target animals and birds. When no more bait is eaten and rodent activity stops, the remains of all bait are removed for disposal. Bait points should be removed, in a typical campaign, 6 weeks after initial placement.

### 5.2. Risk mitigation measures

The use of protective gloves is recommended during the handling of the product and dead rodents in all cases for hygiene reasons.

Wash hands and exposed skin after use and before meals.

Place the bait station in areas inaccessible to infants, children, companion animals and non-target animals.

Baits should not be placed where food, feedingstuffs or drinking water could be contaminated.

Search for and remove dead rodents at frequent intervals during treatment.

Do not use anticoagulant rodenticides as permanent baits. Alternate the use of bromadiolone baits with other active substance baits, in order to avoid resistance.

Use tamper-resistant bait stations and place them in inaccessible areas to prevent the access non-target species, children and companion animals.

Collect dead rodent during all control operations to minimise the risk of consumption and poisoning to children, companion animals and other non-target animals.

For professional users: Remove all dead rodents after treatment and dispose of them in accordance with current regulations through registered establishment or undertaking carrying out waste management operations.

For non-professional users: Dead rodent must be deposited at collection points or points established by the local authority in accordance with their respective ordinances.

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

Poisoning may cause:

Bleeding diathesis, derivated from the antiprothrombin effect - prolonged prothrombin time- that may became evident at minimum 24 - maximum 72 hours (a normal prothrombin time when the patient is admitted in the hospital, does not exclude the diagnosis).

First aid:

- Move the person away from the contaminated zone
- Remove contaminated or spattered clothing
- Rinse the eyes with plenty of water for 15 minutes. Do not forget remove the contact lenses
- Wash off the skin with soap and plenty of water, without rubbing
- Is swallowed, do not make him/her vomit.
- Keep the patient warm and at rest
- Check the breath. If necessary, give artificial respiration
- If the person is unconscious, make him/her lie on his/her side, with the head at lower level than the rest of the body, bending the legs.
- Take person to a hospital and show the label or packaging where possible.

**DO NOT LEAVE POISONED PERSON ALONE UNDER ANY CASE**

Medical advice for doctors and sanitary staff

- If less than 2 hours has passed from the intake, gastric emptying must be performed, and activated carbon dispensed (25g)
- Antidote: Vitamin K.
- Check the prothrombin time
- Treat symptomatically

**IN CASE OF ACCIDENT CONTACT THE POISON CENTER.**

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

Do not throw the product on the ground, into a water course, into the sink or down the drain.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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For professional users: Remove all packaging, uneaten baits and bait boxes after treatment and dispose of them in accordance with current regulations through registered establishment or undertaking carrying out waste management operations.

For non-professional users: Packaging, uneaten baits and bait boxes must be deposited at collection points or points established by the local authority in accordance with their respective ordinances.

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

Store in the original container in dry and well ventilated place.

Keep away from sun radiation and other heat sources. Protect against frost.

The product is stable for more than 2 years.

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## 6. OTHER INFORMATION