

# Summary of product characteristics for a biocidal product

**Product name:** RODILON TRIO

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

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**Authorisation number:** UK-2011-0050

**R4BP 3 asset reference number:** UK-0000615-0000

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## Administrative information

### 1.1. Trade names of the product

RODILON TRIO
RAT AND MOUSE KILLER

### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	LIPHATECH
	Address	Bonnel - CS 10005 47480 Pont Du Casse France
<b>Authorisation number</b>	UK-2011-0050	
<b>R4BP 3 asset reference number</b>	UK-0000615-0000	
<b>Date of the authorisation</b>	27/04/2011	
<b>Expiry date of the authorisation</b>	29/04/2023	

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	LIPHATECH SAS
<b>Address of the manufacturer</b>	Bonnel - CS 10005 47480 PONT DU CASSE France
<b>Location of manufacturing sites</b>	Production centre, avenue Jean Serres, ZA Malère 47480 PONT DU CASSE France

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

<b>Active substance</b>	27 - Difethialone
<b>Name of the manufacturer</b>	LIPHATECH S.A.S
<b>Address of the manufacturer</b>	Bonnel BP3 47480 PONT DU CASSE France
<b>Location of manufacturing sites</b>	CONFIDENTIAL - LIPHATECH S.A.S at AlzChem Trostberg GmbH - Chemie Park Trostberg - Dr Albert Frank 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 (%)
Difethialone	3-[3-(4-bromo[1,1'-biphenyl]-4-yl)-1,2,3,4-tetrahydronaphth-1-yl]-4-hydroxy-2H-1-benzothio	Active Substance	104653-34-1		0.0025

### 2.2. Type of formulation

RB - Bait (ready for use)
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## 3. Hazard and precautionary statements

<b>Hazard statements</b>	<p>May cause damage to organs (blood) through prolonged or repeated exposure .</p> <p>Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>Do not breathe dust.</p> <p>Avoid release to the environment.</p> <p>Get medical advice if you feel unwell.</p> <p>Dispose of contents to according to local legislation.</p> <p>Dispose of container to according to local legislation.</p>

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Trained professionals

<b>Product type</b>	PT14 - Rodenticides (Pest control)
<b>Where relevant, an exact description of the authorised use</b>	-
<b>Target organism(s) (including development stage)</b>	Mus musculus-House mouse-All Rattus norvegicus-Brown rat-All Rattus rattus-Black / Roof rat-All
<b>Field(s) of use</b>	Indoor Outdoor Indoors and outdoors around buildings
<b>Application method(s)</b>	Bait application - Ready-to-use bait to be used in tamper-resistant bait stations, covered and protected baiting points.
<b>Application rate(s) and frequencies</b>	see Number and Timing of applications - 0 - Mice High infestation – Up to 50 g in bait stations or covered bait points every 1 to 1.5 metres Low infestation – Up to 50 g in bait stations or covered bait points every 2 to 3 metres  Rats High infestation – Up to 200 g in bait stations every 4 to 5 metres Low infestation – Up to 200 g in bait stations every 8 to 10 metres
<b>Category(ies) of users</b>	Trained professional
<b>Pack sizes and packaging material</b>	Minimum pack size of 3 kg.  [Where relevant for the identified risks] Package is restricted to separately packed bags with a maximum of 10 kg per packed bag.  Plastic (PP) bucket (loose bait or sachets (paper or PP) of 20 to 100 g) - Up to 25 kg Cardboard carton box (loose bait with integral plastic bag (PE) or sachets (paper or PP) of 20 to 100 g) - Up to 25 kg Plastic container (loose bait or sachets (paper or PP) of 20 to 100 g) - Up to 4 kg Plastic (PE or PP) pouch (loose bait or sachets (paper or PP) of 20 to 100 g) – Up to 4 kg Paper laminate bag (loose bait or sachets (paper or PP) of 20 to 100 g) - Up to 25 kg

Place pack sachets (paper or PP) in cardboard or PE carton box (sachets of 20 to 100 g) - up to 25 kg  
Pre-filled PP or HDPE or PS bait stations (sachets (paper or PP) of 20 to 100 g) / cardboard box – up to 60 bait stations

#### 4.1.1 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
- For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species. Follow any additional instructions provided by the relevant code of best practice

#### 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 (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 as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.
- Do not use this product in pulsed baiting treatments.
- Do not apply this product directly in the burrows.

#### 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

- Indoor:
- When placing bait points close to water drainage systems, ensure that bait contact with water is avoided.
- Outdoor around buildings:
- 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.

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

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

-

**4.2 Use description**

**Use 2 - Professionals**

**Product type**

PT14 - Rodenticides (Pest control)

**Where relevant, an exact description of the authorised use**

-

**Target organism(s) (including development stage)**

Mus musculus-House mouse-All  
Rattus norvegicus-Brown rat-All  
Rattus rattus-Black/Roof rat-All

**Field(s) of use**

Indoor  
Outdoor  
Indoors and outdoors around buildings

**Application method(s)**

Bait application -  
Ready-to-use bait to be used in tamper-resistant bait stations

**Application rate(s) and frequencies**

See number and timing of application - 0 -  
Mice:  
- up to 50 g of bait per bait station. If more than one bait station is needed, the minimum distance between bait stations should be of 1-1.5 meter.  
  
Rats:  
- up to 200 g of bait per bait station. If more than one bait station is needed, the minimum distance between bait stations should be of 4-5 meters.

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

Minimum pack size of 3 kg.

[Where relevant

for the identified risks] Package is restricted to separately packed bags with a maximum of 10 kg per packed bag.

Plastic (PP) bucket (loose bait or sachets (paper or PP) of 20 to 100 g) - Up to 25 kg

Cardboard carton box (loose bait with integral plastic bag (PE) or sachets (paper or PP) of 20 to 100 g) - Up to 25 kg

Plastic container (loose bait or sachets (paper or PP) of 20 to 100 g) - Up to 4 kg

Plastic (PE or PP) pouch (loose bait or sachets (paper or PP) of 20 to 100 g) – Up to 4 kg

Paper laminate bag (loose bait or sachets (paper or PP) of 20 to 100 g) - Up to 25 kg

Place pack sachets (paper or PP) in cardboard or PE carton box (sachets of 20 to 100 g) - up to 25 kg

Pre-filled PP or HDPE or PS bait stations (sachets (paper or PP) of 20 to 100 g) / cardboard box – up to 60 bait stations

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

**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 as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.
- Do not use this product in pulsed baiting treatments.
- Do not apply this product directly in the burrows.

**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**

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

**4.3 Use description**

**Use 3 - General public**

**Product type**

PT14 - Rodenticides (Pest control)

**Where relevant, an exact description of the authorised use**

-

**Target organism(s) (including development stage)**

Mus musculus-House mouse-All  
 Rattus norvegicus-Brown rat-All  
 Rattus rattus-Black / Roof rat-All

**Field(s) of use**

<b>Application method(s)</b>	<p>Indoor</p> <p>Outdoor</p> <p>Indoors and outdoors around the buildings The use against mice is authorised indoor only.</p> <p>Bait application - Ready-to-use bait to be used in tamper-resistant bait stations.</p>
<b>Application rate(s) and frequencies</b>	<p>see Number and timing of applications - 0 -</p> <p>Mice (indoor only): - up to 50 g of bait per bait station. If more than one bait station is needed, the minimum distance between bait stations should be of 1-1.5 meter.</p> <p>Rats (in and around buildings): - up to 150 g of bait per bait station. If more than one bait station is needed, the minimum distance between bait stations should be of 4-5 meters.</p>
<b>Category(ies) of users</b>	<p>General public (non-professional)</p>
<b>Pack sizes and packaging material</b>	<p>Pre-filled PP or HDPE or PS bait stations (paper or PP sachets of 20 to 100 g) / in cardboard box outer pack. Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .</p> <p>Pre-filled PP or HDPE or PS bait stations (paper or PP sachets of 20 to 100 g) of bait.</p> <p>Lockable PP or HDPE or PS tamper resistant bait station + grain sachets (20 to 100 g) in cardboard carton box outer pack -</p> <p>Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .</p> <p>Lockable PP or HDPE or PS tamper resistant bait stations + grain sachets (20 to 100 g paper or PP) /plastic (PE or PP) bag</p> <p>Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .</p> <p>Plastic (PP) bucket with lid (paper or PP sachets of 20 to 100 g) -</p> <p>Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .</p> <p>Cardboard or PE carton (paper or PP sachets of 20 to 100 g) -</p> <p>Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .</p> <p>Plastic (PE or PP) container (paper or PP sachets of 20 to 100 g) -</p>

Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .

Lockable PE or PP plastic pouch (paper or PP sachets of 20 to 100g) – Up to 150g of bait for rats or rats and mice and up to 50 g of bait for mice only packs .

#### 4.3.1 Use-specific instructions for use

- The bait stations should be visited at least every 2 to 3 days (use against mice) / 5 to 7 days (use against rats) 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.

- Place the bait stations in areas non-labile to flooding.

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

#### 4.3.2 Use-specific risk mitigation measures

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#### 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

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

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

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## 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.
  - 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.
- Bait in sachets: 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 [MSs other than UK - If national policy or legislation requires 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.

### 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.
- 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.

Other MSs: - 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").

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

- 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 only:** UK medical professionals should contact the National Poisons Information Service ([www.npis.org](http://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" [insert national phone number].

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

- Store in a dry, cool and well ventilated place. Keep the container closed and away from direct sunlight.
- Store in places prevented from the access of children, birds, pets and farm animals.
- Shelf life:2 years

## 6. Other information

- Because of their delayed mode of action, anticoagulant rodenticides may take from 4 to 10 days to be effective after effective consumption of the bait.
- Rodents can be disease carriers. Do not touch dead rodents with bare hands, use gloves or use tools such as tongs when disposing them.
- This product contains a bittering agent and a dye.