

Summary of product characteristics for a biocidal product

Product name: Generation Mix

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

Authorisation number: 716-6

R4BP 3 asset reference number: DK-0000681-0000

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Administrative information

1.1. Trade names of the product

GENERATION MIX

1.2. Authorisation holder

Name and address of the authorisation holder	Name	LIPHATECH
	Address	Bonnel - CS 10005 47480 Pont Du Casse France
Authorisation number	716-6	
R4BP 3 asset reference number	DK-0000681-0000	
Date of the authorisation	27/04/2011	
Expiry date of the authorisation	29/04/2023	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	LIPHATECH S.A.S
Address of the manufacturer	BONNEL BP3 47480 PONT DU CASSE France
Location of manufacturing sites	Production centre, avenue Jean Serres, ZA Malère 47480 PONT DU CASSE France

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

Active substance	27 - Difethialone
Name of the manufacturer	LIPHATECH S.A.S
Address of the manufacturer	Bonnel BP3 47480 PONT DU CASSE France
Location of manufacturing sites	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

Ready-to-use-bait: grain

3. Hazard and precautionary statements

Hazard statements	<p>May cause damage to organs (blood) through prolonged or repeated exposure .</p> <p>Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>If medical advice is needed, have product container or label at hand.</p> <p>Do not breathe dust.</p> <p>Get medical attention if you feel unwell.</p> <p>Store locked up.</p> <p>Keep out of reach of children.</p> <p>Avoid release to the environment.</p>

Dispose of contents to as hazardous waste according to local requirements.

4. Authorised use(s)

4.1 Use description

Use 1 - Trained Professionals (R1) – indoor and 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 mouse-juveniles to adults Rattus norvegicus-Brown rat-juveniles to adults Rattus rattus-Roof rat-juveniles to adults
Field(s) of use	Indoor Outdoor In and around buildings within a maximum distance of 10 meter from the Buildings. The control of rats is however allowed also where an occurrence of rats farther than 10 meters acts as a source of rats in buildings (source control). The product must always be placed in tamper resistant bait stations to prevent poisoning of humans and animals.
Application method(s)	Bait application - Bait formulations: - Ready-to-use bait to be used in tamper-resistant bait stations.
Application rate(s) and frequencies	Rats: Up to 200 g, mice: Up to 50 g - - - Mice - High infestation: Up to 50 g of bait per baiting point every 1 to 1.5 metres. - Low infestation: Up to 50 g of bait per baiting point every 2 to 3 metres. Rats - High infestation: Up to 200 g of bait per baiting point every 4 to 5 metres. - Low infestation: Up to 200 g of bait per baiting point every 8 to 10 metres.
Category(ies) of users	Trained professional
Pack sizes and packaging material	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
Pre-filled PP or HDPE or PS bait stations (sachets (paper or PP) of 20 to 100 g) / plastic bag - up to 60 bait stations

4.1.1 Use-specific instructions for use

- The biocidal product may only be used by trained licensed professionals (R1) against the brown rat (*Rattus norvegicus*), the black rat (*Rattus rattus*) and the house mouse (*Mus musculus*) in and around buildings within a maximum distance of 10 meter from the buildings. The control of rats is however allowed also where an occurrence of rats farther than 10 meters acts as a source of rats in buildings (source control).
- In the case of the use of the biocidal product for source control of rats, the conditions in the Danish Environmental Protection Agency's guidance on the assessment and authorization of biocides against rats and mice must be met ("Miljøstyrelsens vejledning om vurdering og godkendelse af kemiske bekæmpelsesmidler til rotter og mus").
- Protect bait from the atmospheric conditions. Place the baiting points in areas not liable 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.
- Follow any additional instructions provided by the relevant code of best practice. See the Danish Environmental Protection Agency's guidance on the assessment and authorization of biocides against rats and mice ("Miljøstyrelsens vejledning om vurdering og godkendelse af kemiske bekæmpelsesmidler til rotter og mus")
- For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species.

4.1.2 Use-specific risk mitigation measures

- To reduce risk of secondary poisoning, search for and remove dead rodents during treatment at frequent intervals (at least twice a week).
- 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

- 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

See other section.

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

See other section.

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 locked up and 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.
- 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.
- 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.
- Remove the remaining bait or the bait stations at the end of the treatment period.
- For non-emptiable sachets - Do not open the sachets containing the bait.
- 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.

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.
- The product information (i.e. label and/or leaflet) shall clearly show that the product shall only be supplied to trained professional (R1) holding certification demonstrating compliance with the applicable training requirements. See section 6 for the exact information that should be included on the label.
- 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.
- 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.
- Do not wash the bait stations with water between applications.
- Dispose dead rodents in accordance with local requirements.
- Not for use against any other pest than indicated on the label and not for use in higher doses than indicated.
- To reduce risk of secondary poisoning, search for and remove dead rodents at frequent intervals during treatment (e.g. at least twice a week).
- Do not use baits containing anticoagulant active substances as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.
- 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 trained professionals (R1) 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.

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 a warning that mice or/and rats are being controlled in the area and instructions on how to act in case of poisoning. Bait stations must be labelled with contact information on the pest controllers responsible for the treatment.
- Hazardous to wildlife.

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

- At the end of the treatment dispose the uneaten bait and the packaging as hazardous waste in accordance with local requirements.
- The product may not be disposed of in sewers, including rainwater canals .

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 the product locked up and out of the reach of children, birds, pets and farm animals and other non-target animals.
- Store the product away from food, drink and animal feeding stuffs.
- Shelf life: 2 years

6. Other information

The label of the product should contain the following information (in Danish):

III. Etiketten skal indeholde nedenstående oplysninger. Oplysninger i citationstegn skal angives ordret:

1) I hovedfeltet:

"Gnavermiddel

Må kun anvendes til bekæmpelse af brun rotte (*Rattus norvegicus*), husrotte (*Rattus rattus*) og husmus (*Mus musculus*) i og omkring bygninger og kun i en afstand op til 10 meter fra en bygning. Bekæmpelse er dog også tilladt, hvor en forekomst af rotter længere væk end 10 meter fungerer som kilde til rotter i bygninger.

Må kun anvendes af personer, der er autoriserede af Miljøstyrelsen til at bekæmpe rotter med en R1 autorisation."

2) I advarselsfeltet:

"ADVARSEL

Kan forårsage organskader (blod) ved længerevarende eller gentagen eksponering (H373).

Skadelig for vandlevende organismer, med langvarige virkninger (H412).

Indånd ikke pulver.

Undgå udledning til miljøet.

Der må ikke spises, drikkes eller ryges under brugen af dette produkt.

Vask huden efter arbejdet.

Brug kemisk resistente beskyttelseshandsker ved brug af produktet." (Handskematerialet skal angives af godkendelsesindehaveren i produktdatabladet).

"Overtrædelse af nedenstående særligt fremhævede forskrifter kan medføre straf:

Må kun anvendes til bekæmpelse af brun rotte (*Rattus norvegicus*), husrotte (*Rattus rattus*) og husmus (*Mus musculus*) i og omkring bygninger og kun i en afstand op til 10 meter fra en bygning. Bekæmpelse er dog også tilladt, hvor en forekomst af rotter længere væk end 10 meter fungerer som kilde til rotter i bygninger.

Må kun anvendes af personer, der er autoriserede af Miljøstyrelsen til at bekæmpe rotter med en R1 autorisation

Ved kildebekæmpelse skal betingelserne i Miljøstyrelsens vejledning om vurdering og godkendelse af kemiske bekæmpelsesmidler til rotter og mus være opfyldt.

Doseringen af det biocidholdige produkt skal afpasses bekæmpelsen af mus og rotter på den pågældende lokalitet, dog må der højst anvendes 200 g pr. udlægningssted for rotter og 50 g pr. udlægningssted for mus af hensyn til faren for forgiftning af mennesker, pattedyr og fugle.

Må ikke anvendes mod andre skadevoldere og ikke i højere doseringer end de i brugsanvisningen nævnte.

Det biocidholdige produkt skal anbringes i aflåste foderstationer, så mennesker og dyr udenfor målgruppen ikke kan komme i kontakt med giften.

Døde mus og rotter skal eftersøges to gange ugentligt eller efter behov og bortskaffes som dagrenovation af hensyn til faren for sekundær forgiftning af rovfugle og rovdyr.

Produktet må ikke bruges mere end 35 dage uden en evaluering af angrebets status og effekten af behandlingen.

Giftrester og emballage skal afleveres til den kommunale affaldsordning for farligt affald efter endt bekæmpelse.

Foderstationer skal påføres en tekst, hvoraf det fremgår, at der foregår bekæmpelse af mus og rotter i området, og hvorledes man forholder sig i tilfælde af forgiftning. Foderstationer skal være forsynet med kontaktinformation på dem, som udfører bekæmpelsen.

Må ikke benyttes til permanent bekæmpelse af mus og rotter, såsom forebyggende brug i sikringsordninger.

Ved anbringelse af foderstationer tæt på overfladevand eller afløbssystemer skal det sikres, at det biocidholdige produkt ikke kommer i kontakt med vand.

Må ikke tømmes i kloak afløb.

Opbevares under lås og utilgængeligt for børn.

Må ikke opbevares sammen med fødevarer, drikkevarer og foderstoffer."

Farepiktogrammet GHS08

Miljøstyrelsen henleder opmærksomheden på, at godkendelsesindehaver skal anføre oplysninger om førstehjælp, herunder:

"Hvis der er brug for lægehjælp, medbring da beholderen eller etiketten.

Søg lægehjælp ved ubehag.

Dette produkt indeholder et antikoagulerende stof.

Ved indtagelse kan der forekomme forsinkede symptomer, såsom næseblod og blødende tandkød.

I svære tilfælde kan der forekomme blå mærker og blod i afføring eller urin.

Modgift: K1-vitamin; må kun administreres af medicinsk/veterinært personale.

Hvis produktet:

- kommer på huden, vaskes huden med vand og sæbe.

- kommer i øjnene, skylles øjnene med øjenrensevæske eller vand; hold øjnene åbne i mindst 10 minutter.
- kommer i munden, skylles munden grundigt med vand.
Giv aldrig en bevidstløs person noget gennem munden.
Fremkald ikke opkastning.
Hvis produktet synkes, søges der straks lægehjælp. Vis produktets beholder eller etiketten til lægen.
Kontakt en dyrlæge, hvis produktet indtages af et kæledyr."

3) I deklarationsfeltet:

- a) Teksten "Gnavermiddel BPR-reg. nr. 716-6. Aktivstof og biocidholdigt produkt er godkendt efter biocidforordningen (Forordning (EU) nr. 528/2012)".
- b) Oplysning om præparattype: "korn" for dette præparat.
- c) Indholdet af aktivstof i vægtprocent (% w/w) og g/kg.
- d) Udløbsdatoen skal anføres. Denne dato må højst være 2 år efter produktionsdatoen. Etikettens dato kan udformes som en henvisning til en produktionsdato andetsteds på emballagen.
- e) Batchnummer eller – betegnelse skal anføres.
- f) Pakningsstørrelse i kg.
- g) Godkendelsesindehavers navn og adresse.

4) Brugsanvisningen:

Oplysninger om skadevoldere, anvendelsesområde og doseringer.

Følgende retningslinjer gælder i forhold til bortskaffelse.

Der skal mærkes med sikkerhedssætning P501: "Indholdet/beholderen bortskaffes i overensstemmelse med kommunale regler for affaldshåndtering."

Derudover skal mærkningen ske efter retningslinjerne:

"Tom emballage og rester skal afleveres til den kommunale affaldsordning for farligt affald."