

RASCAL BRODIFACOUM PASTA BAIT

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.
SDS Reference Number: 000002
Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : RASCAL BRODIFACOUM PASTA BAIT
Type of product : Biocidal products (e.g. Disinfectants, pest control)
Product group : End product
Other means of identification : UFI Code: QX30-50EH-R00E-U8CE

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Rodenticides
Function or use category : Ready to use Rodenticide containing 50ppm Brodifacoum.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

1ENV Solutions Limited
Aviation Way
SS2 6UN Southend On Sea – Essex
United Kingdom
T +44 (0)1702 617057

1.4. Emergency telephone number

Emergency number : +44 (0)1702 617057

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Reproductive toxicity, Category 1A H360D
Specific target organ toxicity – Repeated exposure, Category 2 H373
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GHS UK) :



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	GHS08
Signal word (GHS UK)	: Danger
Hazard statements (GHS UK)	: H360D - May damage the unborn child. H373 - May cause damage to organs (blood) through prolonged or repeated exposure.
Precautionary statements (GHS UK)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P308+P313 - IF exposed or concerned: Get medical advice or attention. P314 - Get medical advice or attention, if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P404 - Store in a closed container. P405 - Store locked up. P501 - Dispose of contents/container in accordance with national regulations.
Extra phrases (GHS UK)	: Restricted to professional users.

2.3. Other hazards

Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	DENATONIUM BENZOATE (3734-33-6), DIETHANOLAMINE (111-42-2), 2,2',2"-NITRILOTRIETHANOL (102-71-6), POLYETHYLENE GLYCOL (25322-68-3), PROPYLENE GLYCOL (57-55-6), WHOLE WHEAT FLOUR, LARD, brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0), CUT - CHOPPED WHEAT
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	DENATONIUM BENZOATE (3734-33-6), DIETHANOLAMINE (111-42-2), 2,2',2"-NITRILOTRIETHANOL (102-71-6), POLYETHYLENE GLYCOL (25322-68-3), PROPYLENE GLYCOL (57-55-6), WHOLE WHEAT FLOUR, LARD, brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0), CUT - CHOPPED WHEAT

Results of Endocrine Disruptor assessment

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	WHOLE WHEAT FLOUR, LARD, CUT - CHOPPED WHEAT, PROPYLENE GLYCOL(57-55-6), 2,2',2"-NITRILOTRIETHANOL(102-71-6), POLYETHYLENE GLYCOL(25322-68-3), brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin(56073-10-0), DENATONIUM BENZOATE(3734-33-6), DIETHANOLAMINE(111-42-2)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
WHOLE WHEAT FLOUR	-	≥ 50 – < 70	Not classified
LARD	-	≥ 30 – < 50	Not classified
CUT - CHOPPED WHEAT	-	≥ 5 – < 10	Not classified
PROPYLENE GLYCOL	CAS-No.: 57-55-6 EC-No.: 200-338-0	≥ 1 – < 5	Not classified

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Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
RODENTICIDE DYE	-	< 1	Not classified
2,2',2"-NITRILOTRIETHANOL	CAS-No.: 102-71-6 EC-No.: 203-049-8	< 1	Not classified
POLYETHYLENE GLYCOL	CAS-No.: 25322-68-3 EC-No.: 500-038-2	< 1	Not classified
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (Active substance (Biocide))	CAS-No.: 56073-10-0 EC-No.: 259-980-5 UK Index-No.: 607-172-00-1	< 1	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Inhalation), H330 Repr. 1A, H360D STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
DENATONIUM BENZOATE	CAS-No.: 3734-33-6 EC-No.: 223-095-2	< 1	Acute Tox. 4 (Oral), H302 (ATE=584 mg/kg bodyweight)
DIETHANOLAMINE	CAS-No.: 111-42-2 EC-No.: 203-868-0 UK Index-No.: 603-071-00-1	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (Active substance (Biocide))	CAS-No.: 56073-10-0 EC-No.: 259-980-5 UK Index-No.: 607-172-00-1	(0.002 ≤ C < 0.02) STOT RE 2; H373 (0.003 ≤ C ≤ 100) Repr. 1A; H360D (0.02 ≤ C ≤ 100) STOT RE 1; H372

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: 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. . Seek medical attention immediately.
First-aid measures after inhalation	: Inhalation unlikely. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. and then. Wash skin with soap and water.
First-aid measures after eye contact	: Rinse eyes with eye-rinse liquid or water, keep eyes lids open at least 10 minutes.
First-aid measures after ingestion	: Rinse mouth out with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: Harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Place under medical observation.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

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|--------------------------------|--|
| Suitable extinguishing media | : Dry chemical powder, Alcohol-resistant foam, Carbon dioxide (CO ₂). Water fog. |
| Unsuitable extinguishing media | : Do not use water jet. |

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- | | |
|--------------------------------|--|
| Precautionary measures fire | : Control run-off water by containing and keeping it out of sewers and watercourses. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- | | |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. |

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment. Harmful to wildlife. Wild mammals and birds may be at greater risk if the product is not used in accordance to its label.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|---|
| For containment | : Using a clean shovel, put the material in a dry container and cover without compressing it. |
| Methods for cleaning up | : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-------------------------------|---|
| Precautions for safe handling | : Comply with the safety instructions. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|--------------------|--|
| Storage conditions | : Store in a well-ventilated place. Keep cool. Keep away from food and drink. Keep container tightly closed. Keep only in original container. Store locked up. |
| Storage area | : Store away from heat. Store in a well-ventilated place. |

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

PROPYLENE GLYCOL (57-55-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m ³ particulates
	474 mg/m ³ total vapour and particulates
	150 ppm total vapour and particulates
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Do not exceed the occupational exposure limits (OEL).

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Red.
Odour	: Slight.
Odour threshold	: Not available
pH	: Not available
pH solution	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not available
Flash point	: Not applicable
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not applicable
Relative density	: Not available
Density	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
Viscosity, kinematic	: Not applicable
Explosive properties	: Not available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

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Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

DENATONIUM BENZOATE (3734-33-6)	
LD50 oral rat	584 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Remarks on results: other:

DIETHANOLAMINE (111-42-2)	
LD50 oral rat	1600 mg/kg

2,2',2''-NITRILOTRIETHANOL (102-71-6)	
LD50 oral rat	6400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg No deaths occurred at this concentration

POLYETHYLENE GLYCOL (25322-68-3)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal	> 20000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 2.5 mg/l/4h

PROPYLENE GLYCOL (57-55-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	634 mg/l/4h

brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LD50 oral rat	< 5 mg/kg
LD50 dermal rat	7.48 mg/kg
LC50 Inhalation - Rat	3.05 µg/l

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

DIETHANOLAMINE (111-42-2)	
pH	11 – 12 105g/l at 25C

POLYETHYLENE GLYCOL (25322-68-3)	
pH	4 – 7

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

DIETHANOLAMINE (111-42-2)	
pH	11 – 12 105g/l at 25C

POLYETHYLENE GLYCOL (25322-68-3)	
pH	4 – 7

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

DIETHANOLAMINE (111-42-2)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : May damage the unborn child.

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : May cause damage to organs (blood) through prolonged or repeated exposure.

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DIETHANOLAMINE (111-42-2)	
LOAEL (oral, rat, 90 days)	14 mg/kg bodyweight/day 91 days
LOAEL (dermal, rat/rabbit, 90 days)	32 mg/kg bodyweight/day 91 days - Rat
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

POLYETHYLENE GLYCOL (25322-68-3)	
NOAEL (oral, rat, 90 days)	8000 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	1 mg/l air Animal: rat, Guideline: other:

brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
STOT-repeated exposure	Causes damage to organs (blood) through prolonged or repeated exposure.

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

RASCAL BRODIFACOUM PASTA BAIT	
Viscosity, kinematic	Not applicable

DIETHANOLAMINE (111-42-2)	
Viscosity, kinematic	356.335 mm ² /s

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

DENATONIUM BENZOATE (3734-33-6)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 72h - Algae [1]	281556 mg/l Test organisms (species): Chlorella vulgaris

DIETHANOLAMINE (111-42-2)	
LC50 - Fish [1]	460 mg/l Oncorhynchus mykiss (rainbow trout)
EC50 - Crustacea [1]	30.1 mg/l Ceriodaphnia dubia (water flea)
ErC50 algae	9.5 mg/l Pseudokirchneriella subcapitata (green algae), 96 hours

2,2',2"-NITRILOTRIETHANOL (102-71-6)	
LC50 - Fish [1]	> 11800 mg/l Pimephales promelas (fathead minnow)
EC50 - Crustacea [1]	609.9 mg/l Ceriodaphnia dubia (water flea)
EC50 72h - Algae [1]	512 mg/l alga Scenedesmus sp
NOEC chronic crustacea	16 mg/l 21 days, Daphnia magna (Water flea)

POLYETHYLENE GLYCOL (25322-68-3)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Poecilia reticulata
EC50 - Crustacea [1]	> 10000 mg/l

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POLYETHYLENE GLYCOL (25322-68-3)	
NOEC (chronic)	17475.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	13671.59 mg/l Test organisms (species): other: Duration: '28 d'
PROPYLENE GLYCOL (57-55-6)	
LC50 - Fish [1]	40613 mg/l
EC50 - Crustacea [1]	340 mg/l Daphnia magna
EC50 96h - Algae [1]	19000 mg/l
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
LC50 - Fish [1]	0.042 mg/l
EC50 - Other aquatic organisms [1]	0.25 mg/l
12.2. Persistence and degradability	
RASCAL BRODIFACOUM PASTA BAIT	
Persistence and degradability	Not rapidly degradable
DENATONIUM BENZOATE (3734-33-6)	
Persistence and degradability	Not rapidly degradable
DIETHANOLAMINE (111-42-2)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	885 mg/g
Chemical oxygen demand (COD)	1352 mg/g
Biodegradation	93 % 28 days
2,2',2''-NITRILOTRIETHANOL (102-71-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	97 % 28 days
POLYETHYLENE GLYCOL (25322-68-3)	
Persistence and degradability	Not rapidly degradable
PROPYLENE GLYCOL (57-55-6)	
Persistence and degradability	Readily biodegradable.
WHOLE WHEAT FLOUR	
Persistence and degradability	Not rapidly degradable
LARD	
Persistence and degradability	Not rapidly degradable
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	
Persistence and degradability	Not rapidly degradable
CUT - CHOPPED WHEAT	
Persistence and degradability	Not rapidly degradable
RODENTICIDE DYE	
Persistence and degradability	Not rapidly degradable

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12.3. Bioaccumulative potential

DIETHANOLAMINE (111-42-2)

Partition coefficient n-octanol/water (Log Pow)	-2.46 at 25C
Bioaccumulative potential	Low bioaccumulation potential.

2,2',2''-NITRILOTRIETHANOL (102-71-6)

Bioconcentration factor (BCF REACH)	< 3.9 Cyprinus carpio (Carp), 42 days
Partition coefficient n-octanol/water (Log Pow)	-2.3 at 25C
Bioaccumulative potential	Low bioaccumulation potential.

PROPYLENE GLYCOL (57-55-6)

Bioaccumulative potential	Low bioaccumulation potential.
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12.4. Mobility in soil

DIETHANOLAMINE (111-42-2)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 Estimated
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2,2',2''-NITRILOTRIETHANOL (102-71-6)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	10 Estimated
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PROPYLENE GLYCOL (57-55-6)

Ecology - soil	Soluble in water.
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12.5. Results of PBT and vPvB assessment

Component

DENATONIUM BENZOATE (3734-33-6)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
DIETHANOLAMINE (111-42-2)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
2,2',2''-NITRILOTRIETHANOL (102-71-6)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
POLYETHYLENE GLYCOL (25322-68-3)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
PROPYLENE GLYCOL (57-55-6)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
WHOLE WHEAT FLOUR	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
LARD	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
brodifacoum (ISO); 4-hydroxy-3-(3-(4'- bromo-4-biphenyl)- 1,2,3,4-tetrahydro-1- naphthyl)coumarin (56073-10-0)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
CUT - CHOPPED WHEAT	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Transport document description				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

UK restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	DIETHANOLAMINE	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
30.	brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin	Substances which are classified as reproductive toxicant category 1A or 1B in the GB mandatory classification and labelling list and are listed in Appendix 5 or Appendix 6, respectively.

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC) above the 0.1% level of disclosure

Biocide Regulation (528/2012)

Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

Type of product (Biocide) : 14 - Rodenticides
Authorisation number :
Contains : brodifacoum (ISO); 4-hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin (0.01 % (percentage))

GB PIC regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

RASCAL BRODIFACOUM PASTA BAIT

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
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Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Full text of H- and EUH-statements:	
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 1 (Oral)	Acute toxicity (oral), Category 1
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Repr. 1A	Reproductive toxicity, Category 1A
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H360D	May damage the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (blood) through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Repr. 1A	H360D	Calculation method
STOT RE 2	H373	Calculation method

Safety Data Sheet (SDS), UK

The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product. The SDS is issued for the Great British market; please contact the Supplier for a new SDS if you are in Northern Ireland.