

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 17/06/2015
Version: 4.0

Revision date:

Rentokil

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

1.1. Product identifier

Trade name : MOUSE AND RAT KILLER PASTA BAIT
Brand : RENTOKIL
Type of product : Biocide
Registration No : UK-2012-0595, IE-BPA70050
Product form : Mixture

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

1.2.1. Relevant identified uses

Intended for general public
Use of the substance/mixture : A blue ready-to-use pasta bait with a sweet odour, for use as a rodenticide by amateurs.
Contains Bitrex, a bittering agent.
Main use category : Consumer use
Use of the substance/mixture : Rodenticide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Rentokil Initial Supplies
Liverpool
L33 7SR
UK

Product advice line: +44 (0)151 548 5050
Email: sds@rentokil.com

1.4. Emergency telephone number

Emergency number : +44 (0)1342 833022

| Country | Organisation/Company | Address | Emergency number |
|-----------------------|--|---|---|
| IRELAND (REPUBLIC OF) | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road Dublin 9 | +353 1 809 2166 (public, 8am - 10pm, 7/7) |
| UNITED KINGDOM | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road Birmingham B18 7QH | 0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

This product contains an anticoagulant compound. If large quantities are ingested, nosebleed and bleeding gums may occur. In severe cases there may be bruising, haematomas of the joints and blood present in the faeces and urine.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use
P270 - Do not eat, drink or smoke when using this product

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P405 - Store locked up

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|---|--|-------|--|
| Sucrose substance with national workplace exposure limit(s) (GB, IE) | (CAS No) 57-50-1 (EC no) 200-334-9 | < 25 | Not classified |
| Starch substance with national workplace exposure limit(s) (GB) | (CAS No) 9005-25-8 (EC no) 232-679-6 | < 25 | Not classified |
| Monopropylene Glycol - with OEL substance with national workplace exposure limit(s) (GB) | (CAS No) 57-55-6 (EC no) 200-338-0 | < 10 | Not classified |
| Difenacoum | (CAS No) 56073-07-5 (EC no) 259-978-4 (EC index no) 607-157-00-X | 0.005 | N; R50/53 T+; R26/27/28 T; R48/23/24/25 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-------|--|
| Sucrose substance with national workplace exposure limit(s) (GB, IE) | (CAS No) 57-50-1 (EC no) 200-334-9 | < 25 | Not classified |
| Starch substance with national workplace exposure limit(s) (GB) | (CAS No) 9005-25-8 (EC no) 232-679-6 | < 25 | Not classified |
| Monopropylene Glycol - with OEL substance with national workplace exposure limit(s) (GB) | (CAS No) 57-55-6 (EC no) 200-338-0 | < 10 | Not classified |
| Difenacoum | (CAS No) 56073-07-5 (EC no) 259-978-4 (EC index no) 607-157-00-X | 0.005 | Acute Tox. 1 (Oral), H300 Acute Tox. 2 (Dermal), H310 Acute Tox. 1 (Inhalation:dust,mist), H330 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Allow breathing of fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

| | |
|------------------------------------|--|
| Symptoms/injuries | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/injuries after inhalation | : Not expected to be a primary route of exposure. |

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

Phytomenadione Vitamin K1 is antidotal.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|------------------------------------|
| Hazardous decomposition products in case of fire | : Carbon dioxide. Carbon monoxide. |
|--|------------------------------------|

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear suitable personal protective equipment.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Stable under normal conditions of use.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with eyes. Do not eat, drink or smoke when using this product.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of reach of children. Keep only in the original container in a cool well ventilated place. Keep away from food, drink and animal feedingstuffs. Protect from heat and direct sunlight.
- Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Rodenticide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Sucrose (57-50-1) | | |
|---|--|---|
| Ireland | Local name | Sucrose |
| Ireland | OEL (8 hours ref) (mg/m ³) | 10 mg/m ³ |
| Ireland | OEL (15 min ref) (mg/m ³) | 20 mg/m ³ |
| United Kingdom | Local name | Sucrose |
| United Kingdom | WEL TWA (mg/m ³) | 10 mg/m ³ |
| United Kingdom | WEL STEL (mg/m ³) | 20 mg/m ³ |
| Starch (9005-25-8) | | |
| United Kingdom | WEL TWA (mg/m ³) | 10 mg/m ³ Total inhalable (4 mg/m ³ respirable) |
| Monopropylene Glycol - with OEL (57-55-6) | | |
| United Kingdom | WEL TWA (mg/m ³) | 474 mg/m ³ Total Vapour and particulates. (10 mg/m ³ particulate) |
| United Kingdom | WEL TWA (ppm) | 150 ppm |

8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : None necessary during normal handling and use.
- Eye protection : None necessary during normal handling and use.
- Skin and body protection : None necessary during normal handling and use.

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Respiratory protection : None necessary during normal handling and use.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Semi-solid blue pasta bait with a fruity odour, presented in individual paper enclosed units.
Colour : Blue.
Odour : Fruity.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Non flammable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.05 g/cm³
Solubility : No data available
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

This product is stable under normal conditions of handling and use.

10.3. Possibility of hazardous reactions

None expected under normal conditions of handling and use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Difenacoum (56073-07-5) | |
|--------------------------------|----------------------------|
| LD50 oral rat | 1.8 mg/kg |
| LD50 dermal rat | 63 mg/kg |
| LC50 inhalation rat (mg/l) | 0.00346 - 0.005848 mg/l/4h |
| ATE CLP (oral) | 1.800 mg/kg bodyweight |
| ATE CLP (dermal) | 63.000 mg/kg bodyweight |
| ATE CLP (vapours) | 0.003 mg/l/4h |

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Difenacoum (56073-07-5) | |
|--------------------------------|----------------------------|
| ATE CLP (dust,mist) | 0.003 mg/l/4h |
| Sucrose (57-50-1) | |
| LD50 oral rat | 29700 mg/kg |
| ATE CLP (oral) | 29700.000 mg/kg bodyweight |

| | |
|---|--|
| Skin corrosion/irritation | : Not classified Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | : Not classified Based on available data, the classification criteria are not met |
| 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 |
| Reproductive toxicity | : Not classified Based on available data, the classification criteria are not met |
| Specific target organ toxicity (single exposure) | : Not classified Based on available data, the classification criteria are not met |
| Specific target organ toxicity (repeated exposure) | : Not classified Based on available data, the classification criteria are not met |
| Aspiration hazard | : Not classified Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

| Difenacoum (56073-07-5) | |
|--------------------------------|------------|
| LC50 fish 1 | 0.064 mg/l |
| EC50 Daphnia 1 | 0.52 ml/l |

12.2. Persistence and degradability

| MOUSE AND RAT KILLER PASTA BAIT | |
|--|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| MOUSE AND RAT KILLER PASTA BAIT | |
|--|------------------|
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--------------------------------|---|
| Regional legislation (waste) | : Disposal must be done according to official regulations. |
| Waste treatment methods | : This product is for amateur use and can be disposed of as normal household waste. However, if used in a place of work, any product and empty container must be disposed of as controlled waste. |
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials | : Avoid release to the environment. |

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : Use biocides safely. Always read the label and product information before use. Ensure you have received adequate training and/or instructions before use.

Other information : None.

Full text of R-, H- and EUH-statements:

| | |
|-------------------------------------|---|
| Acute Tox. 1 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 1 |
| Acute Tox. 1 (Oral) | Acute toxicity (oral), Category 1 |
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal), Category 2 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| STOT RE 1 | Specific target organ toxicity — Repeated exposure, Category 1 |
| H300 | Fatal if swallowed |
| H310 | Fatal in contact with skin |

MOUSE AND RAT KILLER PASTA BAIT

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|--------------|---|
| H330 | Fatal if inhaled |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| R26/27/28 | Very toxic by inhalation, in contact with skin and if swallowed |
| R48/23/24/25 | Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| N | Dangerous for the environment |
| T | Toxic |
| T+ | Very toxic |

RI - SDS EU (REACH Annex II)

Before using any product, ensure that you read and understand its label.

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Neither Rentokil Initial plc nor any of its subsidiaries accepts any liability for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

Copyright © (2015) Rentokil Initial plc, Global Science Centre, Units 7 & 8 Foundry Court, Foundry Lane, Horsham, West Sussex. RH13 5PY. United Kingdom.

Telephone: +44 (0) 1342 833022 Fax: +44 (0) 1403 214101