

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product Name: Roded Rat & Mouse Killer

Product Number(s): P1027 (400g), P1033 (1Kg), G1035 (4Kg), G1036 (15Kg)

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

Effective rat and mouse control

Recommended Use:

Rodenticide - biocidal use

Ready-to-use

Amateur and professional use

Uses Advised Against:

Do not use for purposes other than those stated in "recommended uses"

1.3 Details of the supplier of the safety data sheet

Hygeia Chemicals Limited, Carrowmoneash, Oranmore, Co. Galway

Tel: 091-794722 Fax: 091-794738 email: services@hygeia.ie**1.4 Emergency telephone number**

National Poisons Information Centre (Tel: 01-8379964) (Fax: 01-8368476)

Section 2: Hazards Identification**2.1 Classification according to Regulation (EC) 1272/2008 [EU-GHS/CLP]**

Not classified

2.2 Label Elements**Labelling according to Regulation (EC) No 1272/2008 (CLP):****Hazard pictogram:** Not classified**Signal words:** Not classified**Hazard statements:** Not classified**Precautionary statements:** 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

P501: Dispose of contents/container in a safe way

2.3 Other hazards

Not available

Section 3: Composition/information on ingredients**3.1 Substances**

Not available

3.2 Mixtures

Name	No.	Classification	% Wt.
Difenacoum	CAS No: 56073-07-5 EINECS: 259-978-4	H300 Acute Tox. 1 H372 STOT RE1 H400 Aquatic Acute 1	(0.005%)

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Eye Contact: Remove contact lenses if present. Rinse the eye slowly and gently with water for 15-20 minutes. Seek medical advice immediately

Skin Contact: Thoroughly wash with soap and water. Remove soiled clothing and wash exposed skin with soap and water.

Ingestion: Immediately consult a physician and show the label

Inhalation: Not very probable

4.2 Most important symptoms and effects, both acute and delayed

Effects result from the inhibition of blood coagulation as Difenacoum interacts with Vitamin K1. Poisoning symptoms may include: bruising easily, nose or gum bleeds, blood in stools or urine, excessive bleeding from minor cuts and abrasions. Note that poisoning symptoms may develop over the course of several days

4.3 Indication of any immediate medical attention and special treatment needed

Consult a physician and show the label. In general, when in doubt, contact a physician or Poison Centre. In the case of accidental poisoning by a domestic animal, go to the Vet and show the label. Antidote = Vitamin K1, under medical supervision

Section 5: Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Water, Carbon Dioxide (CO₂)

Unsuitable Extinguishing Media: None in particular

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases or fumes. Burning produces heavy smoke.

5.3 Advice for firefighters

Chemical protection suit, suitable gloves for fire-fighters, boots and self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. (See protective measures under Sections 7 and 8)

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it

6.3 Methods and material for containment and cleaning up

Rapidly recover the product. To do so, wear gloves and protective clothing. Wash with plenty of water

6.4 Reference to other sections

See also Sections 8 and 13

Section 7: Handling and Storage

7.1 Precautions for safe handling

When using, do not eat, drink or smoke. Avoid contact with skin and eyes. See also Section 8 for recommended equipment

7.2 Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed. Keep container tightly closed in a cool, dry and well-ventilated place. Keep away from food, drink and animal feedingstuffs

Incompatible Materials: None in particular

Instructions as regards Storage Premises: Adequately ventilated premises

7.3 Specific end use(s)

None in particular

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Standards:

Chemical Name:

Difenacoum

National Occupational Exposure Limits

No occupational exposure limits have been established

8.2 Exposure Controls

Engineering Control Measures:

The usual precautionary measures for handling chemicals should be observed

Hygiene Measures:

When using do not eat, drink or smoke

Respiratory Protection:

No specific recommendations

Skin and Body:

Wear suitable protective clothing. Wash clothes regularly

Hands:

Wear chemical resistant gloves

Eyes:

None

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:

Red pasta

Odour:

Slight

pH:

No data available

Density:

1.2 g/ml (typical)

Boiling Point:

Not applicable

Melting Point/Range:

Not applicable

Decomposition Temp.:

No data available

Flash Point:

Not applicable

Auto Ignition Temp.:

Not inflammable

Flammability:

Not flammable

Explosive Properties:

Aucune

Oxidising Properties:

No data available

Vapour Pressure:

Not applicable

Bulk Density:

No data available

Solubility (Water):

No data available

Solubility (Fat Solvent):

No data available

Partition Coefficient:

Not applicable

Viscosity:

Not applicable

9.2 Other information

Not Available

Section 10: Stability and Reactivity

- 10.1 Reactivity**
Stable under normal conditions
- 10.2 Chemical stability**
Stable under recommended storage conditions
- 10.3 Possibility of hazardous reactions**
No data available
- 10.4 Conditions to avoid**
Avoid extreme temperatures (see storage conditions)
- 10.5 Incompatible materials**
None in particular
- 10.6 Hazardous decomposition products**
None known

Section 11: Toxicological Information

11.1 Information on toxicological effects

Roded Paste

Acute Toxicity:	Test: LD ₅₀ /Route: Oral/Species: Rat: >2000 mg/kg Test: LD ₅₀ /Route: Dermal/Species: Rat: >2000 mg/kg
Skin Corrosion/Irritation:	Test: Skin Irritant/Route: Dermal/Species: Rabbit: Not Irritant
Serious Eye Damage/ Irritation:	Test: Eye Irritant/Route: Ocular/Species: Rabbit: Not Irritant
Respiratory or Skin Sensitization:	Test: Skin Sensitization/Route: Dermal/Species: Guinea Pig: Not Sensitizing

Difenacoum

Acute Toxicity:	Test: LD ₅₀ /Route: Oral/Species: Rat: 1,8 - 2,6 mg/kg Test: LD ₅₀ /Route: Dermal/Species: Rat: 20 - 63 mg/kg Test: LD ₅₀ /Route: Inhalation/Species: Rat: 3,6 - 5,8 µg/l
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Section 12: Ecological Information

12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment

Aquatic Acute Toxicity:	LC ₅₀ Rainbow Trout 0,064 mg/l - Duration: 96h - Data on Difenacoum
Bacteria Toxicity:	No data available
Terrestrial Toxicity:	No data available

12.2 Persistence & Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility

No data available

12.5 Results of PBT and vPvB assessment

PBT Substances: None
vPvB Substances: None

12.6 Other Adverse Effects

None

Section 13: Disposal Considerations

13.1 Waste treatment methods

- Product Disposal:** Dispose of according to local and national regulations
Container Disposal: Dispose of according to local and national regulations. If required, consult a professional waste operator or local authority

Section 14: Transport Information

14.1 UN number

Not classified as dangerous in the meaning of transport regulations

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

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Section 15: Regulatory Information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex 1)

Restrictions related to the product or the substances contained according to Annex XVII

Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None

Where applicable refer to the following regulatory provisions:

Directive 2003/105/CE ('Activities linked to risk of serious accidents') and subsequent amendments

Regulation (EC) nr 648/2004 (detergents)

1999/13/EC (VOC directive)

Regulation 689/2008: not applicable

15.2 Chemical safety assessment

No data available

Section 16: Other Information**Text of Phrases mentioned in Sections 2 and 3:****H-Statements****H300** Fatal if swallowed**H372** Causes damage to organs through prolonged or repeated exposure**H400** Very toxic to aquatic life

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.