SAFETY DATA SHEET
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

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

1.1. Product identifier
Product name: PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Ready for use Rodenticide bait containing 25ppm Difenacoum.
Uses advised against: No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier: Pest-Stop Systems Ltd
Sterling House
Grimbald Crag Close
Knaresborough
North Yorkshire
HG5 8PJ
Tel: 0800 652 5521
Fax: 01423 863 497
info@peststopsystems.com

1.4. Emergency telephone number
Emergency telephone: +44 (0) 1423 796630

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: STOT RE 2 - H373
Environmental hazards: Not Classified

2.2. Label elements
Pictogram
![Pictogram]

Signal word: Warning
Hazard statements: H373 May cause damage to organs (Blood) through prolonged or repeated exposure.
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

Supplemental label
EUH 208 Contains 1, 2- Benzisothiazolin-3-one. May produce an allergic reaction.
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.
P102 Keep out of reach of children.
P103 Read label before use.
P220 Keep / Store away from foodstuffs, beverages and animal feeding stuffs.
P262 Do not get on skin.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves [Professional users].
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P404 Store in a closed container.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>2,2'-Iminodiethanol</th>
<th>&lt;0.1%</th>
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</thead>
<tbody>
<tr>
<td>CAS number: 111-42-2</td>
<td>EC number: 203-868-0</td>
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</table>

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
STOT RE 2 - H373

<table>
<thead>
<tr>
<th>1,2-BENZISOTHIAZOLIN-3-ONE</th>
<th>0.02%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 2634-33-5</td>
<td>EC number: 220-120-9</td>
</tr>
</tbody>
</table>

M factor (Acute) = 10

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Aquatic Acute 1 - H400
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

**Difenacoum (EU)**

<table>
<thead>
<tr>
<th>CAS number: 56073-07-5</th>
<th>EC number: 259-978-4</th>
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</thead>
<tbody>
<tr>
<td>M factor (Acute) = 10</td>
<td>M factor (Chronic) = 10</td>
</tr>
</tbody>
</table>

**Classification**

Acute Tox. 1 - H300  
Acute Tox. 1 - H310  
Acute Tox. 1 - H330  
Repr. 1B - H360D  
STOT RE 1 - H372  
Aquatic Acute 1 - H400  
Aquatic Chronic 1 - H410

**Denatonium Benzoate**

<table>
<thead>
<tr>
<th>CAS number: 3734-33-6</th>
<th>EC number: 223-095-2</th>
</tr>
</thead>
</table>

**Classification**

Acute Tox. 4 - H302  
Acute Tox. 4 - H332  
Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
Aquatic Chronic 3 - H412

The full text for all hazard statements is displayed in Section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Advice for Medical Doctors: Difenacoum is an indirect anti-coagulant. Phytomenadione, Vitamin K, is antidotal. Determine prothrombin time not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalises. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

**Inhalation**

Unlikely to present an inhalation hazard unless excessive dust is present. Move to fresh air. Obtain medical advice immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

**Ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.

**Skin contact**

May cause irritation to susceptible persons. Immediately take off all contaminated clothing. Wash immediately with plenty of soap and water and seek medical advice.

**Eye contact**

May cause eye irritation to susceptible persons. Rinse immediately with plenty of water and seek medical advice. Rinse cautiously with water for several minutes. Get medical attention if irritation persists after washing.

**Protection of first aiders**

First aid personnel should wear appropriate protective equipment during any rescue.

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

**General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

Inhalation
Unlikely to present an inhalation hazard. If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice.

Ingestion
Rinse mouth. Do NOT induce vomiting. Call a doctor immediately.

Skin contact
Prolonged contact may cause dryness of the skin.

Eye contact
No specific symptoms known. May be slightly irritating to eyes.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
None known.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting
Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

6.2. Environmental precautions

Environmental precautions
Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

7.1. Precautions for safe handling

Usage precautions
Read and follow manufacturer’s recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene
Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class
Unspecified storage.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

Usage description
Ready to use Rodenticide bait containing 25ppm Difenacoum.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits
Propane-1,2-diol (Propane-1,2-diol Particulates) WEL 8-Hr limit mg/M3: 10
Propane-1,2-diol (Propane-1,2-diol total vapour and particulates) WEL 8-Hr limit ppm: 150
WEL 8Hr limit mg/M3: 474
Whole Wheat Grain WEL 8-hr limit mg/m3: 10 (grain dust) WEL 15 min limit mg/m3: 30 (grain dust)

8.2. Exposure controls

Appropriate engineering controls
Provide adequate ventilation.

Personal protection
Keep away from food stuffs.

Eye/face protection
No specific eye protection required during normal use. Avoid contact with eyes.

Hand protection
Suitable chemical resistant gloves are recommended for professional users.

Other skin and body protection
Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Hygiene measures
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

Respiratory protection
No specific recommendations. Provide adequate ventilation.

Environmental exposure controls
Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Whole wheat granules.

Colour
Blue.

Odour
Slight.

Odour threshold
No information available.
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

pH
No information available.

Melting point
Not relevant.

Initial boiling point and range
Not relevant.

Flash point
No information available.

Evaporation rate
Not relevant.

Evaporation factor
No information available.

Flammability (solid, gas)
combustible

Upper/lower flammability or explosive limits
No information available.

Other flammability
No information available.

Vapour pressure
Not relevant.

Vapour density
Not relevant.

Relative density
No information available.

Bulk density
No information available.

Solubility(ies)
No information available.

Partition coefficient
Not relevant.

Auto-ignition temperature
No information available.

Decomposition Temperature
No information available.

Viscosity
Not relevant.

Explosive properties
Not considered to be explosive.

Explosive under the influence of a flame
Not considered to be explosive.

Oxidising properties
Not oxidising.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
Oxidising agents.

10.4. Conditions to avoid
Conditions to avoid
Heat, flames and sparks.

10.5. Incompatible materials
Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀) >2000 mg/kg

Acute toxicity - dermal
Notes (dermal LD₅₀) >2000 mg/kg

Acute toxicity - inhalation
Notes (inhalation LC₅₀) >5 mg/l (Dust)

Skin corrosion/irritation
Animal data

Based on available data the classification criteria are not met.

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity

Based on available data the classification criteria are not met.

IARC carcinogenicity

None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Reproductive toxicity - development

Contains an ingredient listed as: Reprotoxic

Specific target organ toxicity - single exposure

STOT - single exposure

Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not relevant. Solid.

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Unlikely to be hazardous in normal use.

Ingestion

See section 4 - First Aid

Skin contact

Skin irritation should not occur when used as recommended.
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

Eye contact
Should not cause eye irritation.

Route of entry
Ingestion Inhalation Skin and/or eye contact

Toxicity of ingredients
Denatonium Benzoate Oral (Rat) LD50 = 584 mg/kg Difenacoum Acute Oral ≤5mg/kg
Acute Dermal ≤50mg/kg Acute Inhalation ≤0.05mg/kg (Commission Regulation 2016/1179)

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity
Toxicity
Based on available data the classification criteria are not met.

12.2. Persistence and degradability
Persistence and degradability
The degradability of the product is not known.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not relevant.

12.4. Mobility in soil
Mobility
No data available.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects
Other adverse effects
Toxic to mammals, including domesticated animals and birds if ingested. Exposure of non-target animals should be prevented.

Toxicity of ingredients
Difenacoum Daphnia EC50/48Hr = 0.91 mg/l Rainbow trout LC50/96Hr = 0.33 mg/l

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information
This material and its container must be disposed of in a safe way.

Disposal methods
Dispose of in accordance with applicable regional, national, and local laws and regulations.
Dispose of Contaminated packaging as unused product unless fully cleaned.

Waste class
Waste disposal key number from EWC is 20 01 19 (Pesticides)

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

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

National regulations
Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.

EU legislation

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS
None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
# PEST-STOP SUPER RAT AND MOUSE KILLER SACHETS

| Classification abbreviations and acronyms | STOT RE = Specific target organ toxicity-repeated exposure |
| Classification procedures according to Regulation (EC) 1272/2008 | STOT RE 2 - H373: Commission Regulation (EU) 2016/1179 |

| Revision date | 11/07/2017 |
| Revision | 1 |
| Supersedes date | 14/12/2016 |
| SDS number | 21141 |

**Hazard statements in full**
- H300 Fatal if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H360D May damage the unborn child.
- H372 Causes damage to organs (Blood) through prolonged or repeated exposure.
- H373 May cause damage to organs (Blood) through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.