

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

1.1. Product identifier

Product form : Mixture
Product name : Pest-Stop Difenacoum Pasta
Product Code Pelsis : PSPBMS,PSSA05,PSDIF-10G-25

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Ready for use Rodenticide bait containing 25ppm Difenacoum

1.2.2. Uses advised against

Restrictions on use : Not specified

1.3. Details of the supplier of the safety data sheet

Pelsis Ltd.
Sterling House
Grimbald Crag Close
HG5 8PJ Knaresborough - United Kingdom
T +44 (0) 800 988 5359 - F +44 (0) 1423 863 497
info@pelsis.com

1.4. Emergency telephone number

Emergency number : +44 (0) 800 988 5359

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	NHS 111 - NHS 24 (Ecosse)		111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Specific target organ toxicity — Repeated exposure, Category 2 H373
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Warning
Hazard statements (CLP) : H373 - May cause damage to organs (blood) through prolonged or repeated exposure (oral).

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

Precautionary statements (CLP)	: P220 - Keep/Store away from food, drink and animal feeding stuffs.. P280 - Wear protective gloves. P102 - Keep out of reach of children. P103 - Read label before use. P262 - Do not get in eyes, on skin, or on clothing. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P314 - Get medical advice/attention if you feel unwell. P404 - Store in a closed container. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point. P260 - Do not breathe dusts or mists.
EUH-statements	: EUH208 - Contains . May produce an allergic reaction. 1,2-benzisothiazolin-3-one.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2'-imino Diethanol	(CAS-No.) 111-42-2 (EC-No.) 203-868-0	<0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 3, H412
1,2-Benzisothiazolin-3-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9	0,02	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Difenacoum (ATP9)	(CAS-No.) 56073-07-5 (EC-No.) 259-978-4 (EC Index-No.) 607-157-00-X	0,0025	Repr. 1B, H360D Acute Tox. 1 (Inhalation), H330 Acute Tox. 1 (Dermal), H310 Acute Tox. 1 (Oral), H300 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	0,001	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Difenacoum (ATP9)	(CAS-No.) 56073-07-5 (EC-No.) 259-978-4 (EC Index-No.) 607-157-00-X	(0 <C < 0,02) STOT RE 2, H373 (0,003 ≤C < 100) Repr. 1B, H360D (0,02 ≤C < 100) STOT RE 1, H372

Full text of H-statements: see section 16

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Advice for Medical Doctors: Brodifacoum 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.
First-aid measures after inhalation	: Inhalation not likely.
First-aid measures after skin contact	: Seek medical attention if irritation develops. Take off immediately all contaminated clothing and wash it before reuse. After contact with skin, wash immediately and thoroughly with water and soap.
First-aid measures after eye contact	: If eye irritation persists: Get medical advice/attention. Rinse immediately and plentifully with water and take medical advice.
First-aid measures after ingestion	: Rinse mouth thoroughly with water. Do not induce vomiting. Get immediate medical advice/attention.

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 inhalation	: None under normal use.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: May cause slight irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide (CO ₂). Dry powder. Water fog. Use extinguishing media appropriate for surrounding fire.
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	: On combustion or on thermal decomposition (pyrolysis) releases : Heating can release hazardous gases.
--	---

5.3. Advice for firefighters

Protection during firefighting	: Wear recommended personal protective equipment. Use self-contained breathing apparatus and chemically protective clothing. Complete protective clothing. EN469. Helmet. Evacuate personnel to a safe area.
--------------------------------	--

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: See Headings 7 and 8.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear suitable protective clothing and gloves.
6.1.2. For emergency responders	
No additional information available	

6.2. Environmental precautions

Avoid release to the environment.

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Wear protective gloves, protective clothing. Reuse or recycle products wherever possible. 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. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see item 8. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Observe strict hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Read the label before use. As the product is a paste it is unlikely to produce dust. Read and follow manufacturer's recommendations.

Hygiene measures : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Store in original container. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

7.3. Specific end use(s)

Ready to use Rodenticide bait containing 25ppm Brodifacoum. Ready to use Rodenticide bait containing 25ppm Difenacoum.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

None under normal use. Ensure adequate ventilation.

Materials for protective clothing:

Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots, chemical-protection suit.

Hand protection:

Chemical resistant gloves (according to European standard EN 374-1:2003) (for professional use)

Eye protection:

Avoid contact with eyes

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use.

Other information:

Keep away from food, drink and animal feeding stuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: red.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: $\approx 60\text{ }^{\circ}\text{C}$
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)	: Combustible
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Material insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: No oxidising properties.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

Oxidising agents.

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

Combustion produces dangerous gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Pest-Stop Difenacoum Pasta

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l

Difenacoum (ATP9) (56073-07-5)

LD50 oral rat	1,8 mg/kg
LD50 oral	1 mg/kg
LD50 dermal rat	5 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	0,0036 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Difenacoum (ATP9) (56073-07-5)

LOAEL (oral, rat)	0,1 mg/kg bodyweight
NOAEL (oral, rat)	0,03 mg/kg bodyweight

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

Aspiration hazard : Not classified

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
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

Difenacoum (ATP9) (56073-07-5)

LC50 fish 1	0,064 mg/l Oncorhynchus mykiss
LC50 fish 2	0,258 mg/l Lepomis macrochirus
EC50 Daphnia 1	0,52 mg/l Daphnia magna
ErC50 (algae)	0,51 mg/l Selenastrum capricornutum

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Difenacoum (ATP9) (56073-07-5)

Partition coefficient n-octanol/water (Log Kow)	≈ 7,62
---	--------

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

Other adverse effects : Toxic to mammals, including domesticated animals and birds if ingested. Exposure of nontarget animals should be prevented.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations. Disposal of hazardous waste according to national / local regulations.

European List of Waste (LoW) code : 20 01 19* - pesticides

SECTION 14: Transport information

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

ADR	IMDG	IATA
14.1. UN number		
Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Not applicable	Not applicable	Not applicable
No supplementary information available		

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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

Full text of H- and EUH-statements:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 1 (Oral)	Acute toxicity (oral), Category 1
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
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
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
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.

Pest-Stop Difenacoum Pasta

Safety Data Sheet

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

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.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H360D	May damage the unborn child.
H372	Causes damage to organs 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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
	1,2-benzisothiazolin-3-one
EUH208	Contains . May produce an allergic reaction.

SDS EU (REACH Annex II)

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable