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

1.1 Product identifier

Sakarat D Wax Bait (GB-2012-0370, NI-2012-0370)

UFI: 2800-P0U7-C002-TT18

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

Relevant identified uses: A ready-to-use paste bait containing Difenacoum (0.005%w/w) For use against Rats and Mice Indoors and Outdoors around buildings: Rattus norvegicus (brown rat) and Mus musculus (house mice).

Uses advised against: Not to be used for Pulsed baiting or applied directly into burrows. No uses other than those recommended.

1.3. Details of the supplier of the safety data sheet

Address: Killgerm Chemicals Ltd, Wakefield Road, Ossett, WF5 9AJ

Tel: +44 (0)1924 268 450 **Fax:** +44 (0)1924 265 033 **Email:** technical@killgerm.com

1.4. Emergency telephone number

UK: Medical professionals should use National Poisons Information Service Tel: 0870 600 6266.
Killgerm Chemicals Ltd Tel:01924 268452 (Office hours). Emergency Number: 01865 407333
Non-medical professionals should seek information by contacting NHS by dialling 111.
IRELAND: Medical professionals should contact the national Poisons centre, Beaumont Hospital, Dublin (01-8092166)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 [CLP]

Repr. 1B **H360D** May damage the unborn child.
STOT RE 2 **H373** May cause damage to organs (blood) through prolonged or repeated exposure

2.2. Label elements

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

GHS08

Signal Word: **DANGER**

Hazard statements:

H360D: May cause damage to unborn child.
H373: May cause damage to organs (blood) through prolonged or repeated exposure.

Precautionary statements:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

To avoid risks to human health and the environment, comply with instructions for use. Use bait containers clearly marked “poison” at all surface baiting points. Remove all remains of bait, dead rodents during and after treatment and

dispose of safely. Prevent access to bait by children, domesticated animals and pets, (particularly cats, dogs, and pigs). Harmful to wildlife.

Exposure of non-target animals should be prevented.

The mixture does not contain substances classified as PBT.

The mixture does not contain substances classified as vPvB.

The mixture does not contain any endocrine disrupting properties substances.

The product may have the following additional risks:

May form explosible dust-air mixture if dispersed.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous Components in Product

Ingredient Name	Classification	Concentration	H Phrases
Difenacoum (ISO) CAS Number: 56073-07-5	Acute Tox. 1 (Oral) Acute Tox. 1 (Dermal) Acute Tox. 1(Inhalation) Repr. 1B STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	0.005% w/w	H300 H310 H330 H360D H372 H400 H410
Denatonium Benzoate CAS Number: 3734-33-6	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 3	0.001% w/w	H302, H332 H315 H318 H412

See section 16 for full text of R-phrases, H phrases and hazard classification of ingredients.

SECTION 4: First aid measures

4.1. Description of first aid measures

Immediate medical attention is required. Delayed effects may occur after the exposure to the product.

Eye contact: Flush with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice.

Skin contact: Remove all contaminated clothing. Wash with water and then with soap and water. NEVER use solvents or thinners. The use of personal protective equipment is recommended for people providing first aid (see section 8).

Ingestion: DO NOT induce vomiting. Rinse mouth carefully with water. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show the product's container or label.

Inhalation: Remove from exposure. Keep the victim warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. Get medical attention if any symptoms persist.

Contact a veterinary surgeon in case of ingestion by a pet.

DO NOT LEAVE POISONED PERSON ALONE UNDER ANY CIRCUMSTANCE.

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

This product contains Difenacoum, an indirect anticoagulant. Any signs of poisoning are unlikely to occur until 12-18 hours after ingestion. Thereafter, they will develop progressively and may rapidly appear. Accidental contact may result in serious respiratory difficulties, alteration of the central nervous system and in extreme cases, unconsciousness. Immediate medical assistance is required.

Long-term chronic exposure may result in injury to certain organs or tissues. Substance is an anticoagulant and the risk is a potential internal haemorrhage. Could be absorbed in contact with the skin and cause internal haemorrhage.

If swallowed serious risk of internal haemorrhage. Other symptoms: pallor, abdominal or back pain.

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

ADVICE FOR DOCTORS: Difenacoum is an indirect anti-coagulant. Phytomenadione and Vitamin K1 are antidotal. Determine prothrombin time not less than 18 hours after consumption. If elevated, administer Vitamin K1 40mg/day for adults and 20mg/day for children in divided doses. Continue until prothrombin times normalise. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

N.B. Vitamin K3 is not effective.

For comprehensive medical advice on the treatment of poisoning, contact the nearest Poisons Information centre.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use water spray, foam, dry chemical or carbon dioxide. In case of more serious fires, also alcohol-resistant foam, and water spray. Cool the smouldering material with water spray to minimise the possibility of re-ignition. Keep containers and surroundings cool with water spray.

Unsuitable extinguishing media: Do not use a water jet. In the presence of electrical voltage, do not use water or foam.

5.2. Special hazards arising from the substance or mixture

This product is non-flammable, but combustible. May produce toxic fumes of carbon monoxide if involved in a fire.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full PPE.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment (Section 8). Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Ensure the product does not reach any water channels, lakes, rivers, or drains. If this occurs, notify the relevant authorities immediately.

6.3. Methods and material for containment and cleaning up

Scrape up material. Place in marked receptacle ready for disposal. Contact supplier for advice on disposal. See section 13

6.4. Reference to other sections

See also sections 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product must be used and stored only in accordance with the product label. Refer also to the section “Exposure Controls/Personal Protection”. Avoid all contact by mouth. Wash hands and exposed skin before meals and after use. Empty container completely and dispose of safely.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original container under cool and dry conditions in a secure, well-ventilated place, inaccessible to children, and away from foodstuffs and animal feed. Store and transport away from products which may have an odour

7.3. Specific end use(s)

Before using this product read the instructions for use. The product is intended for use as a rodenticide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No specific national limit values have been established.

8.2. Exposure controls

Where exposure may occur engineering controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required.

PPE	Item In Use	Spillage
Respirators	N/A	Use half-mask (EN140) with a particle filter P (EN 143) to required (nominal) protection factor (Minimum).
Gloves	Protective Gloves (EN 374). Nitrile or PVC.	Protective Gloves (EN 374). Nitrile or PVC.
Skin protection	Basic type e.g. Heavy duty polycotton or coverall type 5/6.	Coverall type 5/6.
Goggles / Face shield	Not needed under normal conditions of use.	Safety glasses to EN 166 3459B.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State:	Solid
Colour:	Blue
Odour:	Odourless
Melting point/Freezing point:	Not applicable
Boiling point or initial boiling point and boiling range:	Not applicable
Flammability:	Not applicable
Lower and upper explosion limit:	Not applicable
Flash point:	No available data
Auto-ignition temperature:	371°C
Decomposition temperature:	No available data
pH:	7 - 9
Viscosity:	No available data
Solubility:	No available data
Partition coefficient n-octanol/water (log value):	No available data
Vapour pressure:	Not applicable
Density and/or relative density:	Not applicable
Relative vapour density:	Not applicable
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Product is not explosive
Oxidising properties:	No oxidising properties.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

10.3. Possibility of hazardous reactions

None anticipated.

10.4. Conditions to avoid

Avoid extremes of temperature.

10.5. Incompatible materials

Store away from strong oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6. Hazardous decomposition products

Carbon monoxide and oxides of nitrogen, Toxic and irritant fumes released if mixture is involved in a fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

(a) Acute toxicity; Information has been derived from the properties of the individual ingredients. Oral LD50 (rat) >2000mg/kg. Inhalation- Not an anticipated route of exposure.

(b) Skin corrosion/irritation; Based on data available classification criteria are not met.

(c) Serious eye damage/irritation; Based on data available classification criteria are not met.

(d) Respiratory or skin sensitisation; Contains no known skin or respiratory sensitizers.

(e) Germ cell mutagenicity; Based on data available classification criteria are not met.

(f) Carcinogenicity; Based on data available classification criteria are not met.

(g) Reproductive toxicity; May cause harm to the unborn child.

(h) STOT-single exposure; Based on data available classification criteria are not met.

(i) STOT-repeated exposure; Causes damage to organs (blood) through prolonged or repeated exposure.

(j) Aspiration hazard; Based on data available classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties – The product does not contain substances with the potential for endocrine disorders.

SECTION 12: Ecological information

12.1. Toxicity

Difenacoum (ISO) (56073-07-5) in this product is classified as very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. However, when used in accordance with instructions, controlled release of this product is not expected to cause environmental contamination.

LC50 Fish (Oncorhynchus mykiss) 0.064 mg/L - (Directive 92/69/EEC, C.1)

LC50 Crustacea (48hr Daphnia magna) 0.52mg/L - (Directive 92/69/EEC, C.2)

ErC50 Algae No observed effect concentration (72 h) 0.25 mg/l (growth rate), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Degradation in soil is slow. Difenacoum, soil half-life of 439 days.

12.3. Bioaccumulative potential

Difenacoum: Because of the n-Octanol/Water distribution coefficient (log Pow) accumulation in organisms is possible.

12.4. Mobility in soil

Difenacoum mobility is very low and will depend principally on the soil type. Difenacoum and any potential degradation products, even if released indirectly into the soil in small quantities are not likely to move through the soil profile and are unlikely to reach groundwater in significant quantities.

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of ground water is not expected.

12.5. Results of PBT and vPvB assessment

Does not meet requirement for assessment.

12.6. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal of unconsumed product, empty containers and contaminated packaging must be made in accordance with the local law. For information on disposal in the UK contact the environment agency (www.environment-agency.gov.uk) or SEPA (www.SEPA.org.uk). Dispose of unused product in the original container as hazardous waste.

Empty containers and contaminated PPE should be considered hazardous and disposed of appropriately.

Suggested European waste code 20 01 19.

SECTION 14: Transport information

14.1. UN number or ID number

Not applicable.

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. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

This SDS is provided in compliance according to the REACH Regulation (EC) No 1907/2006 amended by Regulation (EU) 2020/878

Control of Substances Hazardous to Health Regulations 2002 (as amended).

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

• Refer to other relevant measures such as the Health and Safety at Work etc Act 1974 and the

COSHH regulations and guidance.

• The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation.

15.2. Chemical safety assessment

Advice on product handling can be found in sections 7 and 8.

SECTION 16: Other information

Use only in accordance with label instructions. Operatives using this product should be trained in its use.

The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.

Ingredient classification data:

Acute Toxicity Category 1 (Oral)	H300 Fatal if swallowed.

Acute Toxicity Category 3 (Oral)	H302 Harmful if swallowed.
Acute Toxicity Category 1 (Dermal)	H310 Fatal in contact with skin.
Skin irritant category 2	H315 Causes skin irritation.
Eye damage category 1	H318 Causes serious eye damage.
Acute toxicity Category 1 (Inhalation)	H330 Fatal if inhaled.
Acute toxicity Category 3 Inhalation)	H332 Harmful if inhaled.
Reproductive Toxicity Category 1	H360D May damage the unborn child.
Single target organ toxicity – Repeat exposure Category 1	H372 Causes damage to organs through prolonged or repeated exposure. (Blood)
Single target organ toxicity – Repeat exposure Category 2	H372 May Cause damage to organs through prolonged or repeated exposure. (Blood)
Aquatic Toxicity Acute Category 1	H400 Very toxic to aquatic life.
Aquatic Toxicity Chronic Category 1	H410 Very toxic to aquatic life with long lasting effects.
Aquatic Toxicity Chronic Category 3	H412 Harmful to aquatic life with long lasting effects.

Issue number (date)	Section amended
Version (Dec 2017)	SDS was first produced
Version (Jan 2020)	Minor updates to text and layout.
Version (Sep 2021)	Updates to regulatory information.
Version (Dec 2021)	Addition of emergency number and updated authorisation numbers
Version (Jun 2024)	Update to section 2.3 and section 4. Updates to extinguishing media and phrasing throughout.
Version (Aug 2024)	Updated section titles and section 15.
Version (Dec 2024)	Added UFI. Changes to Toxicological information (Section 11)

This safety data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage, and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.