

# Grey squirrel bait Safety Data Sheet

Labelling according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019  
Control of Substances Hazardous to Health Regulations 2002 (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020



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

### 1.1 Product identifier

Grey squirrel bait UK-2019-1169

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

**Relevant identified uses:** A ready to use rodenticide for use by trained professionals, for indoor use only against Grey squirrel (*Sciurus carolinensis*)

**Uses advised against:** Not to be used in areas where red squirrels are present.

### 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

Medical professionals should use National Poisons Information Service Tel: 0870 600 6266.

Killgerm Chemicals Ltd Tel:01924 268452 (Office hours) Emergency Line 08701906777

Non-medical professionals should seek information by contacting NHS by dialling 111.

## SECTION 2: Hazards identification

### 2.1. Classification of the mixture according to Regulation (EC) No. 1272/2008 [CLP]

Repro tox cat.1A

H360: May damage the unborn child

### 2.2. Label elements



**GHS08**

Signal Word: **Danger**

#### Hazard statements:

**H373:** May cause damage to organs 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.

**P280:** Wear protective gloves.

**P308+P313:** IF exposed or concerned: Get medical advice/attention.

**P405:** Store locked up.

**P501:** Dispose of contents/container in accordance with national regulations.

### 2.3. Other hazards

N/A

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous Components in Product

Ingredient Name	Classification	Concentration	Specific Conc. Limits
Warfarin (ISO) 4-hydroxy-3-(3-oxo-1-phenylbutyl)-2H-chromen-2-one	Acute Tox. 2; H300 Acute Tox. 1; H310 Acute Tox. 1; H330 Repr. 1A; H360D STOT RE 1; H372 (blood) Aquatic Chronic 2; H410 [M=10]	0.02% W/W	Repr. 1A; H360D: C ≥ 0,003 % STOT RE 1; H372: C ≥ 0,02 %

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

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General:** Remove affected person from the contaminated area to fresh air or well-ventilated area, providing their basic life functions and protect them from the cold or heat. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

**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 soap and water. If symptoms develop and persist, seek medical attention.

**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. Get medical attention if any symptoms develop.

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

Delayed or acute spontaneous haemorrhage from the nose and internal organs may occur.

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

**ADVICE FOR DOCTORS:** This product contains warfarin an anticoagulant. Vitamin K1 (phytomenadione)1020mg orally (pro rata for children). Repeat daily until prothrombin time returns to normal. In severe cases, transfusion of fresh, frozen plasma or blood may be indicated together with vitamin K1. In some cases, symptoms may reappear if treatment is stopped prematurely. Prothrombin time should be monitored for 2 weeks after stopping vitamin K1. Confirmation of diagnosis: By estimating prothrombin time.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing agents:** Use water spray, foam, dry chemical, or carbon dioxide. Cool the smouldering material with water spray to minimise the possibility of re-ignition. Keep containers and surroundings cool with water spray.

**Unsuitable agents:** water jet.

### 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

**Protective actions:** In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible, remove containers from endangered area.

**Special protective equipment for firefighters:** Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots, and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

**Additional information:** Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment, and emergency procedures

**Protective equipment:** Use personal protective equipment as described in Section 8.

**Emergency procedures:** Ensure adequate ventilation. Prevent access to unprotected personnel. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Do not allow the product to get to the sewers, ground and surface waters. Do not rinse product to the sewers. In case of water contamination - inform appropriate authorities immediately.

### 6.3. Methods and material for containment and cleaning up.

Sweep up spilled material carefully. Avoid raising dust. Place in marked receptacle ready for disposal. Contact supplier for advice on disposal. See also section 13.

### 6.4. Reference to other sections

See section 8 for protective clothing, See section 7 for safe handling, See section 13 for disposal.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on general occupational hygiene:

Refer to instructions on label and regulations for safety and health at work. Use personal protective equipment. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink, or smoke while working. Do not breathe dust.

### 7.2. Conditions for safe storage, including any incompatibilities.

Store in a dry, cool, and well-ventilated place. Keep the container closed, and store away from direct sunlight. Store in places inaccessible to children, birds, pets, and farm animals. Keep in a locked place.

### 7.3. Specific end use(s)

See section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with workplace exposure limits.

### 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	Not needed under normal use.	Half mask respirator (EN140), plus P class filter (EN143) to required (nominal) protection factor (minimum).
Gloves	Protective Gloves to EN 374 e.g. Nitrile.	Protective Gloves to EN 374 e.g. Nitrile.
Overall	Basic type e.g. Heavy duty polycotton or coverall type 5/6.	Basic type e.g. Heavy duty polycotton or coverall type 5/6.
Goggles / Face shield	Safety glasses to EN 166	Safety glasses to EN 166

**General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink, and animal feeding stuffs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance:	Green coloured grain.
Odour:	characteristic wheat odour.
Odour threshold:	No data
pH:	Not applicable.
Melting point/freezing point:	Not applicable.
Initial boiling point/boiling range:	Not applicable.
Flash point:	Not applicable.
Evaporation rate:	Not applicable.
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	No available data.
Vapor pressure:	Not applicable.
Vapor density:	Not applicable.

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Relative density:	No information
Solubility(ies):	Active substance is soluble in water.
Partition coefficient n-octanol/water (log Kow):	No available data.
Auto-ignition temperature:	No available data.
Decomposition temperature:	No available data.
Viscosity:	No available data.
Explosive properties:	None, no ingredients with explosive properties.
Oxidising properties:	None, no ingredients with oxidizing properties.

## 9.2 Other Information.

No further relevant information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity.

Stable under recommended conditions of storage and handling.

### 10.2. Chemical stability.

Stable under recommended conditions of storage and handling.

### 10.3. Possibility of hazardous reactions.

None Known.

### 10.4. Conditions to avoid.

High temperatures, sources of ignition.

### 10.5. Incompatible materials.

Store away from strong oxidising agents.

### 10.6. Hazardous decomposition products.

Carbon monoxide, oxides of nitrogen, and products toxic and irritant properties released if mixture is involved in a fire.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Classification of the product was conducted by calculation method according to regulation 1272/2008 based on the content of hazardous ingredients:

a) **acute toxicity:** Information has been derived from the properties of the individual ingredients.

Warfarin (CAS 81-81-2)		
Oral	LD50	1.6 mg/kg (rat)
Dermal	LD50	40 mg/kg (rat)
Inhalation	LC50 (4h exposure)	< 0.005 mg/ L (rat)

b) **irritation:** Skin eyes, respiratory tract – no irritation potential expected. Information derived from the properties of the individual ingredients.

c) **corrosivity:** Based on data available classification criteria are not met.

d) **sensitisation:** Based on data available classification criteria are not met.

e) **repeated dose toxicity:** The product has not been tested. Repeated exposure to small quantities may affect certain organs, Damages the coagulation system.

f) **carcinogenicity:** product does not contain any compounds with carcinogenic hazard.

g) **mutagenicity:** product does not contain any compounds with germ cell mutagenicity hazard.

h) **toxicity for reproduction:** Based on data available classification criteria are not met.

i) **aspiration:** No information.

### 11.2. Other Data

See section 2.3.

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## SECTION 12: Ecological information

### 12.1. Toxicity

For components

Aquatic toxicity Warfarin (CAS 81-81-2)				
Test	Value	Exposure time	Species	Organism
LC50	12 mg/L	96 h	<i>Rasbora heteromorpha</i>	Harlequin Fish
NOEC	2 mg/L	21 days	<i>Oncorhynchus mykiss</i>	Rainbow Trout
EC50	0.288 ± 0.007 mM	24 h		Daphnia magna
EC50	> 83.2 mg/L	72 h	<i>Desmodesmus subspicatus</i>	Algae
EC50	219 µmol/L	5 min.	<i>Photobacterium phosphoreum</i>	Bacterium

### 12.2. Persistence and degradability

No information is available about persistence and degradability of the product.

### 12.3. Bio accumulative potential

No information is available about the bio accumulative potential of the product.

### 12.4. Mobility in soil

No information is available about the Mobility in soil of the product.

### 12.5. Results of PBT and vPvB assessment

No evaluation.

### 12.6. Other adverse effects

None known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal of uneaten 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](http://www.environment-agency.gov.uk)) or SEPA ([www.SEPA.org.uk](http://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

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

Not applicable.

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## SECTION 15: Regulatory information

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

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- Restricted to trained professional users in the UK and professional users in Ireland.
- 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

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 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.

### List of relevant H phrases

H300 Fatal if swallowed.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H360D May damage the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Issue number (date)	Section amended
Issue (Mar 2021)	Update to style and layout – some updates to minor wording.
Issue (Jan 2019)	Last update
Issue (Jan 2022)	Added Emergency number – updated Section 15 legislation

### 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.