

# Sakarar Difen Whole Grain

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH), Annex II as amended by Regulation (EU) 2020/878



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

#### 1.1 Product identifier

Sakarar Difen Whole Grain : (GB/NI-2011-0143-0004)

UFI: M3RW-10MK-A003-ETTQ

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

**Relevant identified uses:** A ready-to-use, blue whole-grain bait rodenticide containing Difenacoum (0.005%w/w) for use by professionals for the control of rats and mice.

#### 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 01865407333

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Repro Tox, Cat 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 damage the 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.

**P280** Wear protective gloves.

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

**P405** Store locked up.

**P501** Dispose of contents to a licensed hazardous-waste disposal contractor or collection site

#### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex VIII.

This mixture does not contain substances included in the list established in accordance with Article 59 (1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Hazardous Components in Product

Ingredient Name	Concentration %	Classification	H Phrases
Difenacoum (ISO)  CAS Number: 56073-07-5	0.005	Acute Tox. 1 (Oral) Acute Tox. 1 (Dermal) Acute Tox. 1(Inhalation) Repr. 1B STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	H300 H310 H330 H360D H372 H400 (M=10) H410 (M=10)
Whole Wheat Grain substance with national workplace exposure limit(s) (GB); substance with a community workplace exposure limit	≥ 75	Not Classified	-
Propane-1,2-diol substance with national workplace exposure limit(s) (GB) CAS-No.: 57-55-6 EC-No.: 200-338-0	4 - 5	Not Classified	-

##### Specific concentration limits:

Name	Specific concentration limits
Difenacoum (ISO) CAS Number: 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

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Inhalation:** Allow affected person to breathe fresh air. Allow victim to rest.

**Skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Bait stations must be labelled with the following information: "do not move or open"; "contains a rodenticide"; "product name or authorisation number"; "active substance(s)" and in case of accident, call a poison centre "national poisons centre Tel: 0870 600 6266".

**DO NOT LEAVE POISONED PERSON ALONE UNDER ANY CIRCUMSTANCE.**

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

Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

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

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

This product contains an anticoagulant compound. If large quantities are ingested, nosebleed and bleeding gums may occur. In severe cases there may be bruising, haematomas of the joints and blood present in the faeces or urine.

**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.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Water jet.

### 5.2. Special hazards arising from the substance or mixture

Product is not explosive.

In the event of fire, poisonous and irritating gasses are released e.g.: carbon monoxide – carbon dioxide.

### 5.3. Advice for firefighters

Do not breath vapours or fumes from the fire.

Use water spray or fog for cooling exposed containers.

Wear appropriate protective clothing (including helmets, protective boots and gloves) (EN469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN137).

Ensure water used to extinguish the fire does not reach any water channel or drains. If this occurs notify authorities.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 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

Avoid release to the environment. Ensure the product does not reach any water channels, sewers, public waters or drains. If this occurs, notify the relevant authorities immediately.

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

**For small amounts:** Contain with dust binding material and dispose of.

**For Large amounts:** Sweep/shovel up. Avoid raising dust. Collect waste in suitable containers, which should be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment. Store away from other materials.

### 6.4. Reference to other sections

See also sections 8 and 13

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Keep away from children and non-target animals. Do not eat, drink or smoke whilst using the product.

Follow good personal hygiene practices wash by washing your hands at breaks. When done working with the product, wash yourself and change clothes.

Remove dead/dying rats or mice found during and after the control program to prevent secondary poisoning.

#### Protection against fire and explosion:

Dust can form an explosive mixture with air. Avoid dust formation. Prevent electrostatic charge, keep away from sources of ignition, fire extinguishers should be kept nearby.

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

Store in the original container, tightly closed in a cool well-ventilated secure location.

Protect from extremes of temperature, moisture, strong bases/acids, sources of ignition and direct sunlight.

Keep out of the reach of children and animals.

#### 7.3. Specific end use(s)

For the relevant identified use(s) listed in section 1 the advice mentioned in this section 7 is to be observed.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

United Kingdom – Occupational Exposure Limits

Whole wheat grain	
EU – Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	10 mg/m <sup>3</sup>
IOEL STEL	4 mg/m <sup>3</sup>
UK – Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m <sup>3</sup>
Remark	Sen (Capable of causing occupational asthma)
Regulatory reference	EH40/2005 (Fourth edition, 202). HSE

Propane-1,2-diol (57-55-6)	
UK – Occupational Exposure Limits	
WEL TWA (OEL TWA)	10 mg/m <sup>3</sup> particulates
	474 mg/m <sup>3</sup> total pressure and particulates
	150 ppm total pressure and particulates
Regulatory reference	EH40/2005 (Fourth edition, 202). HSE

#### 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
Gloves	Protective Gloves to EN 374 (300mm in length). Nitrile or PVC.	
Overall	Basic type e.g., Heavy duty polycotton or coverall type 5/6.	
Goggles / Face shield	Not required under normal conditions of use	Not required under normal conditions of use
Respirators	Not needed under normal use and adequate ventilation.	Half mask respirator to EN140 plus P class filter to EN 143 to required (nominal) protection factor (minimum). Type 3 or FFP3

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**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

Physical State:	Solid
Colour:	Blue/Green
Odour:	Wheat Odour
Odour threshold:	Not Available
Melting point/Freezing point:	Not Available
Boiling point or initial boiling point and boiling range:	Not Available
Flammability:	Non-Flammable
Lower and upper explosion limit:	Not Applicable
Flash point:	Not Applicable
Auto-ignition temperature:	Not Applicable
Decomposition temperature:	Not Available
pH:	6.4
Viscosity:	Not Applicable
Solubility:	Not Available
Partition coefficient n-octanol/water (log value):	Not Available
Vapour pressure:	Not Available
Density and/or relative density:	0.74 g/cm <sup>3</sup>
Relative vapour density:	Not Applicable
Particle characteristics:	Not Available

#### 9.2 Other Information

Self-heating ability: It is not a substance capable of spontaneous heating.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under recommended handling, transport or storage conditions.

#### 10.2. Chemical stability

Mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### 10.3. Possibility of hazardous reactions

None anticipated. NO hazardous reactions if stored and handled as prescribed/indicated.

#### 10.4. Conditions to avoid

Avoid extremes of temperature and direct sunlight. See section 7 – handling and storage.

#### 10.5. Incompatible materials

Store away from strong oxidising agents, strong acids and strong bases.

#### 10.6. Hazardous decomposition products

Carbon monoxide and oxides of nitrogen, toxic and irritants released if mixture is involved in a fire. No hazardous decomposition products if stored and handled as prescribed/indicated.

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### 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.

**Sakarar Difenacoum Whole Grain:** LD50 oral rat: > 2000 mg/kg

**Difenacoum (56073-07-5):** LD50 oral rat: 1.8 mg/kg

LD50 dermal rat: 63 mg/kg

LC50 Inhalation – Rat: 0.00346 – 0.005848 mg/l/4h

ATE CLP (oral): 0.5 mg/kg bodyweight

ATE CLP (dermal): 5 mg/kg bodyweight

ATE CLP (gases): 10 ppmv/4h

ATE CLP (vapours): 0.05 mg/l/4h

ATE CLP (dust,mist): 0.005 mg/l/4h

**Propane-1,2-diol (57-55-6):** LD50 oral rat: 22000 mg/kg bodyweight

LD50 dermal rabbit: >2000 mg/kg bodyweight

LC50 Inhalation – Rat: >44.9 mg/l air

**(b) Skin corrosion/irritation;** Based on available data, the classification criteria are not met. The product is not classified as causing skin corrosion or irritation. pH: 6.4

**(c) Serious eye damage/irritation;** Based on available data, the classification criteria are not met. The product is not classified as causing serious eye damage or irritation. pH: 6.4

**(d) Respiratory or skin sensitisation;** Based on available data, the classification criteria are not met.

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

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

**(g) Reproductive toxicity;** May damage the unborn child.

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

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

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

**Difenacoum (56073-07-5):** STOT-repeated exposure: Causes damage to organs (blood) through prolonged or repeated exposure.

**Propane-1,2-diol (57-55-6):** NOAEL (subchronic, oral, animal/male, 90days): 443mg/kg bodyweight Animal: cat, male

#### 11.2. Information on other hazards

See section 2.3

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Hazardous to the aquatic environment, short term (acute):** Not classified

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

**Difenacoum (56073-07-5):**

LC50 – Fish: 0.064mg/l

EC50 – Crustacea: 0.52 ml/l

**Propane-1,2-diol (57-55-6):**

LC50 – Fish [1]: 51600 mg/l, Oncorhynchus mykiss

LC50 – Fish [2]: 51400 mg/l, Pimephales promelas

EC50 (72h) – Algae [1]: 24200 mg/l, Pseudokirchneriella subcapitata

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EC50 (72h) – Algae [2]: 19300 mg/l, *Skeletonema costatum*

EC50 (96h) – Algae [1]: 19000 mg/l, *Pseudokirchneriella subcapitata*

EC50 (96h) – Algae [2]: 19100 mg/l, *Skeletonema costatum*

### 12.2. Persistence and degradability

Sakarar Difen Whole Grain: Not readily biodegradable.

Whole Wheat Grain: Not established

Difenacoum (56073-07-5): Rapidly degradable

Propane-1,2-diol (57-55-6): Rapidly degradable

### 12.3. Bioaccumulative potential

This product is not expected to bioaccumulate.

### 12.4. Mobility in soil

Mobility potential is very low and will depend principally on the soil type. Difenacoum and any potential degradation products even if released indirectly to soil in small quantities are not likely to move through the soil profile and are unlikely to reach groundwater in significant quantities. The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Endocrine disrupting properties

No information available

### 12.7. Other adverse effects

None known. This product does not contain substances that are listed in Regulation (EC)1005/2009 on substances that deplete the ozone layer. Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal of the product, empty containers and contaminated packaging must be made in accordance with the local law. All the items related with the product must not be disposed of with household waste or into the aquatic environment. Please contact the supplier, local authority, or the Environmental Agency for advice about disposal.

- Empty outer pp 10k bag, contaminated but shaken empty. EWC code 15 01 10.
- Empty inner liner (10k bag) contaminated but shaken empty. EWC code 15 01 10
- Empty pp bag plus inner liner contaminated but shaken empty. EWC code 15 01 10
- Coveralls, gloves, and other PPE, contaminated. EWC code 15 01 10
- Spent bait. EWC code 20 01 19. Biocide solid waste. Waste classification hazardous.
- Contact supplier, local authority, or Environment Agency for advice about disposal of waste items.

## 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.



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### 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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals): difenacoum (56073-07-5)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Biocide Regulation (528/2012)

Contains substance(s) listed on the Biocidal Products list (Regulation EU 528/2012 concerning the making available on the market and use of biocidal products)

Type of product (Biocide): 14 - Rodenticides

Authorisation number: GB/Ni-2011-0143-0004

Contains: difenacoum (0.005 % (percentage))

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

### 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.

#### Ingredient classification data:

Acute Toxicity. 1 (Oral)

H300 Fatal if swallowed.

Acute Toxicity. 1 (Dermal)

H310 Fatal in contact with skin.

Acute Toxicity. 1 (Inhalation)

H330 Fatal if inhaled.

Reproductive Toxicity. Cat 1B

H360D May damage the unborn child.

Specific target organ toxicity – Repeated exposure, Category 1

H372 Causes damage to organs through prolonged or repeated exposure.



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Specific target organ toxicity – Repeated exposure, Category 2 H373 Causes damage to organs through prolonged or repeated exposure.  
Aquatic Acute 1 H400 Very toxic to aquatic life.  
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

Issue number (date)	Section amended
Issue - April 2019	Detail of updates not recorded
Issue - July 2019	Update to style and layout – some updates to minor wording.
Issue - January 2022	Added Emergency number – Updated section 15 legislation
Issue - August 2023	Updated emergency number in Section 1.4. Updates to Section 8 and 11. Updates to wording throughout.
Issue - September 2025	UFI added. Updates to section 8.1, 11.1 and updated EWC waste codes.

**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.