

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002  
IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

---

## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 **Product identifier:** Deadfast Mouse and Rat Killer plus – Block      UK-2011-0045-0002  
IE/BPA 70568-002

1.2. **Relevant identified uses :**

Biocide product (PT14-Rodenticide) Bait used for control of rodents

1.3 **Details of the supplier of the safety data sheet:**

**Supplier:**

Westland Horticulture Ltd  
14 Granville Industrial Estate  
Granville Road  
Dungannon  
County Tyrone  
BT70 1NJ

**Email:** [customerservice@Westland.com](mailto:customerservice@Westland.com)

1.4 **EMERGENCY TELEPHONE NUMBER:** +44 1480 443789 (UK 24 hrs)

---

## SECTION 2: Hazards Identification

2.1. **Classification of the substance or mixture according to Regulation (EC) No 1272/2008:**  
STOT RE Cat 2, Aquatic chronic cat. 3  
Hazard statements: H373, H412

**Additional information:** Full text of H- and EUH-phrases: see SECTION 16.

2.2 **Label elements**

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

**Hazard pictograms**



**Signal word:**  
Warning

---

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002  
IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

## Hazard statements:

**H373** May cause damage to organs through prolonged or repeated exposure

**H412** Harmful to Aquatic life with long lasting effects

## Precautionary statements:

**P102** Keep out of reach of children

**P260** Do not breathe dust/fume/gas/mist/vapours/spray.

**P270** Do not eat drink or smoke when using this product

**P273** Avoid release to the environment.

**P280** Wear protective gloves/protective clothing/eye protection/face protection.

**P314** Get medical advice/attention if you feel unwell

**P501** Dispose of contents and container according to local regulations

**Supplemental Hazard information:** None

**Additional labelling:** None

**2.3 Other hazards: none known**

## SECTION 3. Composition/Information on Ingredients

**3.1 Substances**

**3.2 Mixtures**

This mixture contains 25mg/kg of Difethialone

### Hazardous ingredients

Ingredient	Identifiers	Concentration %W/W	Warning Symbols	Regulation (EC) No 1272/2008 (CLP)
Difethialone	CAS: 104653-34-1	0.0025%		Acute Tox., cat. 1 STOT RE cat.1, Repr. 1B, Aquatic acute cat.1 Aquatic chronic tox. Cat.1

### Additional information:

Full text of H- and EUH-phrases: see SECTION 16.

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002  
IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

---

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

**General information:** In all cases of suspected exposure, medical assistance should be sought immediately. Show this data sheet. See antidotal therapy below. Note that poisoning symptoms may develop over the course of several days

**Inhalation:** The preparation is non-dusty bait. Inhalation is not applicable as a route of exposure

**Skin contact:** Remove all contaminated clothing. Immediately rinse the affected area with plenty of soap and water for at least 15 minutes. Seek medical attention if symptoms develop or if there is reason for concern

**Eye contact:** Immediately rinse the affected eye with plenty of water or eye wash fluid for at least 5 minutes whilst separating the eyelids. Remove contact lenses if present and safe to do so. Continue rinsing. Avoid contaminated water coming into contact with the other eye or skin. Seek medical attention if symptoms develop, or if there is reason for concern.

**Ingestion:** If swallowed, DO NOT INDUCE VOMITING. Rinse out mouth with water if casualty is fully conscious. Seek medical attention if symptoms develop or if there is reason for concern. In all cases of doubt or if symptoms persist, seek medical attention.

**Self-protection of the first aider:** wear gloves

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

Symptoms: nosebleed, gum bleed, spitting blood, multiple or large haematoma, generally sudden appearance of an unusual visceral pain; blood in urine, increase in coagulation time

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

Primary treatment is antidotal therapy rather than clinical assessment. Antidotal therapy: SPECIFIC vitamin K1 (phytomenadione). Analogues of Vitamin K1 (vitamin K3: menadione for example) are not very active and should not be used. The efficacy of the treatment should be followed by measurement of coagulation time. The treatment should continue until coagulation time returns to normal and REMAINS normal. In case of serious intoxication, it may be necessary to administer, in addition to vitamin K1, blood or frozen fresh plasma or PPSB coagulant blood fraction transfusions

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002  
IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

---

## SECTION 5: Fire Fighting Measures

### 5.1 Extinguishing media:

Use foam, dry chemical carbon dioxide, or water spray when fighting fires involving this material. Foam or dry chemical fire extinguishing system is preferred to prevent excessive water run-off.

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

This mixture is not known to produce hazardous decomposition products under normal storage conditions. Normal products of organic combustion will be released under conditions of pyrolysis or combustion.

### 5.3 Advice for fire-fighters

Wear breathing apparatus and appropriate clothing

**Additional information:** None

---

## SECTION 6: Accidental Release Measures

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

Precautions must be observed during storage and handling. See also section 8 of this Safety Data sheet

### 6.2 Environmental precautions:

In case of major spillage in water, prevent entry into drains and waterways. If polluted water reaches drainage systems or water courses, immediately inform the competent authorities.

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

Collect or sweep up the product into containers for recovery and disposal. After removal, clean contaminated area with water and detergent. Avoid allowing contaminated water into drains or waterways.

### 6.4 Reference to other sections

See section 13 concerning disposal methods

---

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Read the label carefully before handling and use. For protective equipment, see section 8. Wash hands immediately after using. Do not eat drink or smoke when using the product.

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

---

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002

IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

---

Store securely in original packaging. Keep out of reach of children and pets. Do not store near food.

## 7.3 Specific end uses:

This product is a rodenticide bait for the control of rodents.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

8.1.1 Occupational exposure limits: none

8.1.2 Biological limit values: none

8.1.3 Exposure limits at intended use: none

8.1.4 DNEL/PNEC-values:N/A

8.1.5 Risk management measures according to used control banding approach: N/A

### 8.2 Exposure controls

8.2.1 Appropriate engineering controls:

8.2.2 Personal protective equipment:

**Eye / Face protection:** Not required if used as per instructions

**Skin protection:** Specific protective clothing or other personal protective equipment is not required if using according to recommendations.

**Hand protection:** It is recommended that operators wear disposable latex or similar gloves. Care should be taken when removing and disposing of gloves. Users should wash hands immediately after handling in all cases.

**Respiratory protection:** N/A

**Thermal hazards:** N/A

8.2.3 Environmental exposure controls: N/A

---

## SECTION 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

---

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002  
IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

**Appearance:** Green block

**Physical state:**Solid

**Colour:** Green

**Odour:** Cereal

**Odour threshold:** unknown

## 9.2 Other information:

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	6.15-6.52	-	-	-	-	-
Melting point/freezing point	-	-	-	-	-	-
Initial boiling point/boiling range	-	-	-	-	-	-
Flash point	-	-	-	-	-	-
Evaporation rate	-	-	-	-	-	-
Flammability (solid, gas)	-	-	-	-	-	-
Upper/lower flammability or explosive limits	-	-	-	-	-	-
Upper explosive limits	-	-	-	-	-	-
Lower explosive limits	-	-	-	-	-	-
Vapour pressure	-	-	-	-	-	-
Vapour density	-	-	-	-	-	-
Relative density	-	-	-	-	-	-
Solubility(ies)	Not miscible	-	-	-	-	-
Partition coefficient: n-octanol/water	-	-	-	-	-	-
Auto-ignition temperature	-	-	-	-	-	-
Decomposition temperature	-	-	-	-	-	-
Viscosity	-	-	-	-	-	-
Viscosity, dynamic	-	-	-	-	-	-
Viscosity, cinematic	-	-	-	-	-	-
Explosive properties	-	-	-	-	-	-
Oxidising properties	-	-	-	-	-	-

**Physical hazards:** None known

## SECTION 10: Stability and Reactivity

**10.1 Reactivity:** The mixture is stable under normal conditions

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002

IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

**10.2 Chemical stability:** The mixture is stable under normal conditions

**10.3 Possibility of hazardous reactions:** The mixture is not known to undergo hazardous reactions under normal conditions

**10.4 Conditions to avoid:** The mixture is not known to undergo hazardous reactions under normal conditions

**10.5 Incompatible materials:** The mixture is not known to undergo hazardous reactions under normal conditions

**10.6 Hazardous decomposition products:** The mixture is not known to undergo hazardous reactions under normal conditions. Normal products will be released under conditions of pyrolysis or combustion.

---

## SECTION 11: Toxicological Information

### Toxicokinetics, metabolism and distribution

#### 11.1 Information on toxicological effects

##### 11.1.2 Mixture

##### Acute toxicity

**Practical experience / human evidence:**

**Animal data:** LD50 oral (Rat) : >2500 mg/kg  
LD50 dermal (Rabbit): >2000 mg/kg  
LC50 Inhalation: N/A

**Skin corrosion/irritation: N/A**

**Eye damage/irritation: N/A**

**Sensitisation to the respiratory tract/skin: N/A**

##### Chronic Toxicity (active substance Difethialone)

LOAEL (Rat-90 days): 4µg/kg bw/day- NOAEL (Rat-90 days): 2µg/kg bw/day  
LOAEL (Dog-90 days): 20µg/kg pc/day- NOAEL (Dog-90 days): 10µg/kg bw/day

The active substance is classified as dangerous and may cause serious damage to health by prolonged exposure.

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002  
IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

No evidence of carcinogenicity or mutagenicity for the mixture

## **Reproductive toxicity**

**Practical experience / human evidence:** No observed adverse effects

RAC conclusion: This substance is considered to be potentially toxic for foetal development based on human teratogenicity data available for warfarin

**Other information:** The active substance is a powerful anticoagulant rodenticide with accumulative toxic effects due to antivitamin K activity.

## **SECTION 12: Ecological Information**

### **12.1 Toxicity:**

#### **Aquatic toxicity**

Acute (short-term) fish toxicity: LC50 *Oncorhynchus Mykiss* (96 h) 51 µg/L-NOEC 22 µg/L

Acute (short-term) toxicity to algae and cyanobacteria:

CbE50 Algae (72h): 65 µg/L –NOEC: 32µg/L (*Selenastrum capricornutum*)

Toxicity to other aquatic plants / organisms:

CE50 Daphnis (48h) : 4.4 µg/L-NOEC: 3 µg/L (*Daphnia magna*)

This substance is very toxic to aquatic organisms

#### **Terrestrial toxicity:**

**Acute toxicity LC50 Earthworm (14 days) (*Eisenia foetida*):** >1000mg/kg of soil

#### **Acute toxicity to birds:**

LD50: 0.264mg/kg bw (*Colinus virginianus*)

Short-term dietary (30 days): LC50: 0.56mg/kg of food (*Colinus virginianus*)

### **12.2 Persistence and degradability**

**Biodegradation:** Not easily biodegradeable

Degradation pathway and rate in soil: DT50: between 417 and 976 days

Degradation pathway and rate in water: Hydrolysis DT50: 175 days (pH7) ; >1 year (pH 5) -11.2%

Degradation after 30 days –Photolysis DT50: between 20 and 60 minutes

### **12.3 Bioaccumulative potential**

Log pow: 6.29

**Bioconcentration factor (BCF)( Fish): 39974 (calculated) –High bioaccumulative potential**



# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002

IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

## 12.4 Mobility in soil

Not mobile in soil

## 12.5 Results of PBT and vPvB assessment

PBT Potential

## 12.6 Other adverse effects:

None known

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

#### Product disposal:

Product should be disposed of according to applicable legislation and regulations. It is recommended that any waste product is stored or destroyed by incineration by waste disposal companies. Care should be taken to ensure that disposal methods used do not expose the product to non-target wild, or domestic animals or pets. Dispose according to local or National regulations. Do not release into drains or waterways. Do not contaminate water, food or feed by storage or disposal. Do not contaminate soil, water bodies or watercourses with chemicals or used containers. Refer to local waste and environment regulations.

**Packaging:** The empty container should not be used for any other purpose and should be disposed of according to local and national regulations. Do not reuse or refill the container

## SECTION 14: Transport Information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN No.	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN Proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3 Transport hazard class(es)	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
Hazard label(s)	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.4 Packing group	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002

IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

<b>14.5 Environmental hazards</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
-----------------------------------	---------------------	---------------------	---------------------	---------------------

**14.6 Special precautions for user:** None

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**Additional information N/A**

## SECTION 15: Regulatory Information

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

**15.1.1 EU regulations:**

Classification of the substance or mixture according to Regulation (EC) No 1272/2008

**15.1.2 National regulations:** As above

**15.2 Chemical Safety Assessment:** N/A

---

## SECTION 16: Other Information

**16.1 Indication of changes:** Revised and updated:

**16.2 Abbreviations and acronyms:**

**CLP:** Classification, Labelling and Packaging

**LD50:** Lethal dose 50%

**LC50:** Lethal concentration 50%

**LOAEL:** Lowest observable adverse effect level

**NOEL:** No observable effect level

**NOEC:** No observable effect concentration

**EC50:** Effective concentration 50%

**PBT:** Persistent, bioaccumulative, toxic

**vPvB:** Very persistent, very bioaccumulative

**ADR:** Agreement concerning the international carriage of Dangerous goods by road

**IATA:** International Air Transport Association

**IMDG:** International Maritime Dangerous goods code

**16.3 Key literature references and sources for data :** Liphatech, France

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus-Block

UK-2011-0045-0002

IE/BPA 70568-002

Version:3.0

Revision date:29.01.2021

Print date:29.01.2021

---

## 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

See SECTION 2.1 (classification).

## 16.5 Relevant H- and EUH-phrases (number and full text):

H300 Fatal if swallowed

H310 Fatal if in contact with skin

H330 Fatal if inhaled

H360: May damage the unborn child

H373: May cause damage to organs through prolonged or repeated exposure

H412: Very toxic to aquatic life with long lasting effects

## 16.6 Training advice: Read all instructions carefully before use

## 16.7 Further information:

MSDS information:

This Safety data sheet is compiled using data submitted for raw materials and practical experience.

This Safety Data Sheet is prepared in compliance with Regulation 1272/2008 and Annex I of the REACH regulation as amended by Regulation 1907/2006

This safety data sheet provides health and safety information. This product is to be used in applications with best use practice. Individuals handling this product should be informed under COSHH of the recommended safety precautions and should have access to this information. The product information in this data sheet is to the best of our knowledge correct as at the date of publication. Westland Horticulture Limited does not accept responsibility for damage caused by incorrect use of this information.

Training and related advice:

This document contains important information to ensure the safe storage, handling and use of this product. It is the responsibility of your organisation to ensure that the information contained in this document is communicated to the end user and that all necessary training to enable the product to be used correctly has been given.

For further information please contact Westland Horticulture Ltd, 14 Granville Industrial Estate, Granville Road, Dungannon, County Tyrone, BT70 1NJ.