

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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

1.1 Product identifier: Deadfast Mouse and Rat killer plus Block

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@WestlandHorticulture.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

Hazard statements:

H373 May cause damage to organs through prolonged or repeated exposure

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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 National Regulations

Supplemental Hazard information: None

Additional labelling: None

2.3 Other hazards:

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 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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

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.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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

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.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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

Appearance: Green block

Physical state:Solid

Colour: Green

Odour: Cereal

Odour threshold: unknown

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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

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

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

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

11.1.1 Substances

Acute toxicity

Practical experience / human evidence:

Animal data:

Other information:

Assessment / Classification:

Skin corrosion/irritation

Practical experience / human evidence:

Acid-/Alkali reserve (buffer capacity for mixtures with extreme pH values)

Acidic reserve [g NaOH/100 g product]:

Alkaline reserve [g H₂SO₄/100 g product]:

Animal data:

	Species	Method	Exposure time	Result /Evaluation	Remark
Substance 1	Rabbit	OECD 404		Erythema Scores: 2.3	irritant

In-vitro skin test: *not corrosive (OECD 439)*

Other information:

Assessment / Classification: *Causes skin irritation*

Eye damage/irritation

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0 Revision date:03.02.2020

Print date:03.02.2020

Practical experience / human evidence:

Animal data:

	Species	Method	Result / Evaluation	Remark
Substance 1	Albino rabbit	OECD 405	Corneal opacity Scores: 0,7 Iritis Scores: 0,7 Conjunctival Redness Scores: 1,9 Conjunctival oedema (chemosis) Scores: 1,5	

In vitro eye test: *not corrosive (OECD 438).*

Other information:*reversible.*

Assessment / Classification:*Based on available data, the classification criteria are not met.*

Sensitisation to the respiratory tract/skin

Sensitisation to the respiratory tract

Practical experience / human evidence:

Other information:

Assessment / Classification:*Not classifiable due to data lacking.*

Skin sensitisation

Practical experience / human evidence:

Animal data:

	Effect dose/ concentration	Value	Species	Method	Result / Evaluation	Remark
Substance 1			Guinea pig	OECD 406	not sensitising	

Other information:

Assessment / Classification:*Based on available data, the classification criteria are not met.*

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Reproductive toxicity

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version: 2.0 Revision date: 03.02.2020

Print date: 03.02.2020

Practical experience / human evidence:

Animal data

Adverse effects on sexual function and fertility:

Adverse effects on developmental toxicity:

Effects on or via lactation:

Other information:

Assessment / Classification:

Overall assessment on CMR properties:

Aspiration hazard

Practical experience / human evidence: *No data available.*

Experimental data: *viscosity data: see SECTION 9.*

Assessment / Classification: *Based on available data, the classification criteria are not met.*

Symptoms related to the physical, chemical and toxicological characteristics:

In case of ingestion

In case of skin contact:

In case of inhalation:

In case of eye contact:

11.1.2 Mixtures

Substance 1

- (a) acute toxicity;
- (b) irritation;
- (c) corrosivity;
- (d) sensitisation;
- (e) repeated dose toxicity;
- (f) carcinogenicity;
- (g) mutagenicity;
- (h) toxicity for reproduction.

Other information:

SECTION 12: Ecological Information

12.1 Toxicity:

Aquatic toxicity

Acute (short-term) fish toxicity

Chronic (long-term) fish toxicity

Acute (short-term) toxicity to crustacea

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version: 2.0 Revision date: 03.02.2020

Print date: 03.02.2020

Chronic (long-term) toxicity to crustacea
Acute (short-term) toxicity to algae and cyanobacteria
Toxicity to other aquatic plants / organisms
Toxicity to microorganisms

Sediment toxicity

Terrestrial toxicity:

Toxicity to soil macroorganisms except arthropods
Toxicity to terrestrial arthropods
Toxicity to terrestrial plants
Toxicity to birds

Assessment / Classification:

Substance 1:

Harmful to aquatic organisms.

12.2 Persistence and degradability

Biodegradation:

Abiotic Degradation:

Assessment / Classification:

Substance 1

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)

Assessment / Classification:

Substance 1

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

12.4 Mobility in soil

Assessment / Classification:

Substance 1

Substance 2

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version: 2.0 Revision date: 03.02.2020

Print date: 03.02.2020

12.5 Results of PBT and vPvB assessment

Substance 1

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects:

Substance 1

The substance has a very low global warming potential.

The substance has no ozone depleting potential.

Additional ecotoxicological information

Substance 1

The statement is derived from products of similar structure or composition.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product / Packaging disposal:

Waste codes / waste designations according to EWC / AVV:

Packaging:

Waste treatment options:

Other disposal recommendations:

Additional information:

SECTION 14: Transport Information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Seatransport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UNNo.				
14.2 UN Proper shipping name				
14.3 Transport hazard class(es)				
Hazard label(s)				
14.4 Packing group				

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

14.5

Environmental hazards

14.6 Special precautions for user

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

Additional information

All transport carriers

Land transport (ADR/RID)

Limited quantity:

Special provisions:

Tunnel restriction code:

Classification code:

Transport category:

Hazard identification number (Kemler No.):

Remark:

Inland waterway transport (ADN)

Limited quantity:

Special provisions:

Category:

Remark:

Sea transport (IMDG)

Limited quantity:

Special provisions:

Marine pollutant:

Segregation group:

Remark:

Air transport (ICAO-TI / IATA-DGR)

Limited quantity:

Special provisions:

Remark:

SECTION 15: Regulatory Information

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

15.1.1 EU regulations

Authorisations and/or restrictions on use:

Authorisations:

Restrictions on use:

Other EU regulations:

Directive 2010/75/EC on industrial emissions

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)



Trade name: Deadfast Mouse and Rat killer Plus Block

Version:2.0

Revision date:03.02.2020

Print date:03.02.2020

Regulation (EC) No. 842/2006 on certain fluorinated greenhouse gases.

15.1.2 National regulations

15.2 Chemical Safety Assessment:

For this substance a chemical safety assessment is not required.

SECTION 16: Other Information

16.1 Indication of changes

16.2 Abbreviations and acronyms:

16.3 Key literature references and sources for data

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]: See SECTION 2.1 (classification).

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

16.6 Training advice:

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.