

# DEADLINE BROMADIOLONE WHOLE GRAIN BAIT

# Rentokil

## Safety Data Sheet

according to Regulation (EU) No. 2015/830

Date of issue: 12/06/2015

Revision date:

Version: 3.0

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

#### 1.1. Product identifier

Product name : DEADLINE BROMADIOLONE WHOLE GRAIN BAIT  
Brand : DEADLINE  
Type of product : Biocide  
Registration No : UK-2014-0827, IE/BPA 70273  
Product form : Mixture

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : A blue, ready-to-use, rodenticidal, whole-grain bait with no perceptible odour and a bittering agent. For use by professional operators for the control of rats and mice.

Main use category : Professional use

Use of the substance/mixture : Rodenticide

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Rentokil Initial Supplies  
Liverpool  
L33 7SR  
UK

Product advice line: +44 (0)151 548 5050

Email: sds@rentokil.com

#### 1.4. Emergency telephone number

Emergency number : +44 (0)1342 833022

| Country               | Organisation/Company   | Address                                     | Emergency number  |
|-----------------------|--|---|---|
| IRELAND (REPUBLIC OF) | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>Dublin<br>9 | +353 1 809 2166 (public,<br>8am - 10pm, 7/7)                          |
| UNITED KINGDOM        | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>Birmingham<br>B18 7QH        | 0844 892 0111 (UK only,<br>Monday to Friday, 08.00 to<br>18.00 hours) |

### SECTION 2: Hazards identification

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

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

Not classified

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### Adverse physicochemical, human health and environmental effects

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 and urine.

#### 2.2. Label elements

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

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P103 - Read label before use  
P270 - Do not eat, drink or smoke when using this product

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P280 - Wear protective gloves  
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician  
P405 - Store locked up

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name         | Product identifier                       | %     | Classification according to Directive 67/548/EEC |
|--------------|--|-------|--|
| Bromadiolone | (CAS No) 28772-56-7<br>(EC no) 249-205-9 | 0.005 | T+; R26/27/28<br>T; R48/23/24/25<br>N; R50/53    |

  

| Name         | Product identifier                       | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--------------|--|-------|---|
| Bromadiolone | (CAS No) 28772-56-7<br>(EC no) 249-205-9 | 0.005 | Acute Tox. 1 (Oral), H300<br>Acute Tox. 1 (Dermal), H310<br>Acute Tox. 1 (Inhalation:dust,mist),<br>H330<br>STOT RE 1, H372<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

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

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

Phytomenadione Vitamin K1 is antidotal.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Explosion hazard : Product is not explosive.
- Reactivity in case of fire : On burning release of harmful/irritant gases/vapours e.g.: (carbon monoxide - carbon dioxide). and: formation of small quantities of (acrolein, formaldehyde).
- Hazardous decomposition products in case of fire : On burning: release of harmful/irritant gases/vapours.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

No additional information available

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

Methods for cleaning up : On land, sweep or shovel into suitable containers. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Keep out of reach of children.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

Rodenticide.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : None necessary during normal handling and use.

Respiratory protection : None necessary during normal handling and use.

Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

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

Physical state : Solid

Colour : Blue.

Odour : Odourless.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

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|                      |                     |
|----------------------|---------------------|
| Solubility           | : No data available |
| Log Pow              | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic   | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This product is stable under normal conditions of handling and use.

### 10.2. Chemical stability

This product is stable under normal conditions of handling and use.

### 10.3. Possibility of hazardous reactions

None expected under normal conditions of handling and use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| DEADLINE BROMADIOLONE WHOLE GRAIN BAIT |                   |
|--|-------------------|
| LD50 oral rat                          | > 2000 mg/kg      |
| Bromadiolone (28772-56-7)              |                   |
| LD50 oral rat                          | 0.56 - 0.84 mg/kg |
| LD50 dermal rat                        | 1.71 mg/kg        |
| LC50 inhalation rat (mg/l)             | 0.00043 mg/l/4h   |

|   |   |
|---|---|
| Skin corrosion/irritation                           | : Not classified<br>Based on available data, the classification criteria are not met  |
| Serious eye damage/irritation                       | : Not classified<br>Based on available data, the classification criteria are not met  |
| Respiratory or skin sensitisation                   | : Not classified<br>Based on available data, the classification criteria are not met  |
| Germ cell mutagenicity                              | : Not classified<br>Based on available data, the classification criteria are not met  |
| Carcinogenicity                                     | : Not classified<br>Based on available data, the classification criteria are not met  |
| Reproductive toxicity                               | : Not classified<br>Based on available data, the classification criteria are not met  |
| Specific target organ toxicity (single exposure)    | : Not classified<br>Based on available data, the classification criteria are not met  |
| Specific target organ toxicity (repeated exposure)  | : For Bromadiolone: LOAEL; 90 days; dog; 20µg/kg bw/day based on haemorrhagic changes seen at necropsy. The substance is classified as having danger of serious damage to health by prolonged exposure.<br>Based on available data, the classification criteria are not met |
| Aspiration hazard                                   | : Not classified<br>Based on available data, the classification criteria are not met  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.   |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

| Bromadiolone (28772-56-7) |                                |
|---------------------------|--------------------------------|
| LC50 fish 1               | > 1.4 mg/l 96hrs (O.mykiss)    |
| EC50 Daphnia 1            | 2 mg/l 48hr (Daphnia magna)    |
| ErC50 (algae)             | 0.17 mg/l 72hr (S.subspicatus) |

#### 12.2. Persistence and degradability

| DEADLINE BROMADIOLONE WHOLE GRAIN BAIT |                  |
|--|------------------|
| Persistence and degradability          | Not established. |

#### 12.3. Bioaccumulative potential

| DEADLINE BROMADIOLONE WHOLE GRAIN BAIT |   |
|--|---|
| Bioaccumulative potential              | The bromadiolone log Pow is greater than 3, which indicates a potential to bioaccumulate. |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Additional information : Avoid release to the environment

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 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

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

No additional information available

##### 14.6.2. Transport by sea

No additional information available

##### 14.6.3. Air transport

No additional information available

##### 14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No

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

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

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Contains no substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

|                                     |   |
|-------------------------------------|---|
| Acute Tox. 1 (Dermal)               | Acute toxicity (dermal), Category 1   |
| Acute Tox. 1 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 1  |
| Acute Tox. 1 (Oral)                 | Acute toxicity (oral), Category 1   |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1   |
| STOT RE 1                           | Specific target organ toxicity — Repeated exposure, Category 1  |
| H300                                | Fatal if swallowed  |
| H310                                | Fatal in contact with skin  |
| H330                                | Fatal if inhaled  |
| H372                                | Causes damage to organs through prolonged or repeated exposure  |
| H400                                | Very toxic to aquatic life  |
| H410                                | Very toxic to aquatic life with long lasting effects  |
| R26/27/28                           | Very toxic by inhalation, in contact with skin and if swallowed   |
| R48/23/24/25                        | Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed |
| R50/53                              | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment                           |
| N                                   | Dangerous for the environment   |
| T                                   | Toxic   |
| T+                                  | Very toxic  |

RI - SDS EU (REACH Annex II)

**Before using any product, ensure that you read and understand its label.**

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