



## SAFETY DATA SHEET

### Romax D Rat and Mouse killer

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name                      Romax D Rat and Mouse killer  
Product No.                        UK-2014-0808

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

Identified uses                    Rodenticide  
Uses advised against            Any use other than those identified.

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

Supplier                            Barrettine Environmental  
   St Ivel Way  
   Warmley  
   Bristol  
   BS30 8TY  
   Tel: 01179 672222  
   Fax: 01179 614122  
   beh@barrettine.co.uk

##### 1.4. Emergency telephone number

0870 190 6777

#### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

|                               |                 |
|-------------------------------|-----------------|
| Physical and Chemical Hazards | Not classified. |
| Human health                  | Not classified. |
| Environment                   | Not classified. |

Classification (1999/45/EEC)

Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

The product contains a substance/a chemical group which is suspected of having harmful long-term effects.

Environment

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

##### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Precautionary Statements

|      |   |
|------|---|
| 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.  |
| P280 | Wear protective gloves.   |

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|  |          |   |
|--|----------|---|
|  | P301+310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
|  | P405     | Store locked up.  |
| Supplementary Precautionary Statements | P270     | Do not eat, drink or smoke when using this product.                 |
| Supplemental label information         | RCH002   | Restricted to professional users.                                   |

## 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

|                               |                             |
|-------------------------------|-----------------------------|
| DIFENACOUM                    | 0.005%                      |
| CAS-No.: 56073-07-5           | EC No.: 259-978-4           |
| Classification (EC 1272/2008) | Classification (67/548/EEC) |
| Acute Tox. 2 - H300           | T+;R28                      |
| STOT RE 1 - H372              | T;R48/25                    |
| Aquatic Acute 1 - H400        | N;R50/53                    |
| Aquatic Chronic 1 - H410      |                             |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### Composition Comments

This product contains an anticoagulant compound. Ingestion of significant quantities may affect blood clotting.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest.

Never give victim anything to drink if they are unconscious.

#### Inhalation

Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### Ingestion

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach contents do not enter lungs.

Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

#### Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before reuse.

#### Eye contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

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

#### Ingestion

May cause stomach pain or vomiting.

#### Skin contact

Prolonged skin contact may cause redness and irritation.

#### Eye contact

May cause temporary eye irritation.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY! Vitamin K1 is antidotal.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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

Hazardous combustion products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### 5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours.

Protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing (see Section 8). Keep unnecessary people at a safe distance.

### 6.2. Environmental precautions

Cover all drains and sewers. Avoid spreading spilled material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Avoid generation and spreading of dust. Sweep up and place into clearly labelled containers for recovery or disposal (see section 13). Cover and move the containers. Flush the area with water. Flushings must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against water run-off. Clean up personnel should wash contaminated skin thoroughly after dealing with spillage.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Wear protective gloves. Avoid spilling, skin and eye contact. Avoid inhalation of dust. Normal precautions necessary for the handling of all chemicals and the information and advice provided in this safety data sheet (SDS) should be observed.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

STD

Control of Substances Hazardous to Health (COSHH) - See note in section 16 regarding exposure to dusts.

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## 8.1. Control parameters

### Ingredient Comments

No exposure limits noted for ingredient(s).

## 8.2. Exposure controls

### Engineering measures

Provide adequate general and local exhaust ventilation.

### Respiratory equipment

In case of inadequate ventilation use suitable respirator.

### Hand protection

Avoid prolonged or repeated contact, use suitable protective gloves made of Butyl rubber. Nitrile. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

### Eye protection

Wear goggles/face shield.

### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|  |                    |
|--|--------------------|
| Appearance                                 | wholegrain bait    |
| Colour                                     | Blue.              |
| Odour                                      | Odourless.         |
| Solubility                                 | Insoluble in water |
| Decomposition temperature (°C)             | ca. 100            |
| Partition Coefficient<br>(N-Octanol/Water) | log Kow<br>+7.62   |
| Estimated Value                            |                    |

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

### Known dangerous reactions

May react violently with oxidising substances. Avoid unintended contact with strong acids.

### 10.3. Possibility of hazardous reactions

Not determined.

### Hazardous Polymerisation

Unknown.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

### Materials To Avoid

None known.

### 10.6. Hazardous decomposition products

When heated, toxic and corrosive vapours/gases may be formed.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

#### General information

This product has low toxicity. Only large volumes may have adverse impact on human health. No ill effects are expected if this product is used for its intended purpose or when processing and handling it with the normal precautions employed in the use of chemicals.

#### Inhalation

May cause irritation to the respiratory system.

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

May cause skin irritation.

#### Eye contact

May cause temporary eye irritation.

## SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### 12.1. Toxicity

No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components. Data presented for the active ingredient.

Acute Toxicity - Fish

LC50 96 hours 0.1 mg/l *Onchorhynchus mykiss* (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 0.52 mg/l *Daphnia magna*

Acute Toxicity - Aquatic Plants

EC50 72 hours 320 µg/l *Selenastrum capricornutum*

Acute Toxicity - Terrestrial

LD50 66 mg/kg *Colinus Virginianus* (Bobwhite Quail)

### 12.2. Persistence and degradability

#### Degradability

The product is not readily biodegradable.

#### Stability (Hydrolysis)

pH7 Half-life: 1000 days

pH9 Half-life: 80 days

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

The product is not bioaccumulating.

#### Partition coefficient

log Kow +7.62

Estimated Value

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## 12.4. Mobility in soil

Mobility:

The product is insoluble in water.

Adsorption/Desorption Coefficient

Soil log Koc 2.1-2.3

## 12.5. Results of PBT and vPvB assessment

This product contains a substance classified as PBT.

## 12.6. Other adverse effects

High concentrations may affect water treatment processes.

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not dispose to landfill or watercourses. Product is hazardous waste. Do not allow into drains, sewers or water courses.

Disposal must be by means of a licensed waste contractor.

## 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

EWC 20 01 19 Pesticides

## SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

## 14.1. UN number

Not applicable.

## 14.2. UN proper shipping name

Not applicable.

## 14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

## 14.4. Packing group

Not applicable.

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Pesticides Regulations 1988.

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## Environmental Listing

European Waste Catalogue (EWC 2002).

## Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

## Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l5.pdf>

## Guidance Notes

CHIP for everyone HSG(108).

COSHH essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at <http://www.hse.gov.uk/pubns/guidance/index.htm>

Maintenance, examination and testing of local exhaust ventilation HSG154 (HSE 1998).

## EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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 with amendments.

## 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

### General information

Note: COSHH defines dusts of any kind as hazardous to health when present at a concentration in air equal to or greater than 10 mg.m-3 8hr TWA of inhalable dust or 4 mg.m-3 8hr TWA of respirable dust. See EH40 para.42.

### Information Sources

Manufacturer's safety data sheet

Classification & labelling inventory database

(<http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>)

### Revision Comments

No previous version.

This is first issue.

Revision Date 12-MAR-14

Revision 01

### Risk Phrases In Full

NC Not classified.

R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R28 Very toxic if swallowed.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard Statements In Full

H372 Causes damage to organs <<Organs>> through prolonged or repeated exposure if swallowed.

H300 Fatal if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.