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.

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

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

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.
Laundry 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, CO2) 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>wholegrain bait</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>ca. 100</td>
</tr>
<tr>
<td>Partition Coefficient (log Kow)</td>
<td>+7.62</td>
</tr>
</tbody>
</table>

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.
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.

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
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
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.
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
Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals
labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and

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
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