DEADLINE CONTACT DUST

Safety Data Sheet
DATE : 01 : 03 : 2000 **REVISION (see box 16) ISSUE NO :** 05

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME : **DEADLINE CONTACT DUST (with Bitrex™)**
DESCRIPTION : A blue, ready-to-use, rodenticidal, contact dust with no perceptible odour and a bittering additive.
For use by professional operators in the control of rats and mice.
COMPANY : Rentokil Initial UK Ltd, Environmental Health Products, Felcourt, East Grinstead, West Sussex. RH19
2JY. England. Telephone: +44 (0)1342 833022 Facsimile: +44 (0)1342 326229

2. HAZARDS IDENTIFICATION

CLASSIFICATION (SUPPLY - Use) : UK COPR (Control of Pesticides Regulations, 1986) / EC Directive 78/631.
NOT CLASSIFIED
DANGER SYMBOL (UK COPR) :
NOT REQUIRED
SYMPTOMS AND EFFECTS (see also box 11) :
This product contains an anticoagulant compound. If ingested symptoms may include nosebleed and
bleeding gums. In severe cases there may be bruising, haematomas of the joints and blood present
in the faeces and urine.

3. COMPOSITION / INFORMATION ON INGREDIENT(S)

% w/w COMMON*/CHEMICAL NAME AND CAS No OF INGREDIENT(S)
0.15
2.5
Bromadiolone* / 3-[3-4(4-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin / [28772-56-7]
Bitrex* / Denatonium benzoate / [3734-33-6]

4. FIRST-AID MEASURES (see also "symptoms and effects" in box 2)

INHALATION :
(Breathing)
Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek
medical attention.
EYE CONTACT : Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids
well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical
attention.

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SKIN CONTACT : Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and
water. If the patient feels unwell seek medical advice.
INGESTION :
(Swallowing)
Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if
necessary. If conscious give patient up to 1 pint of water to drink. Seek medical attention.

EMERGENCY EQUIPMENT :

SUGGESTED

Appropriate first-aid equipment should be provided. For the UK this should be in accordance with the
Health & Safety (First-Aid) Regulations 1981. See also the Approved Code of Practice "First-aid at
Work".
NOTE TO DOCTOR : For further information contact the National Poisons Information Service in the UK.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHER - TYPES : Use foam, water, carbon dioxide or dry powder extinguishers.
SPECIAL FIRE-FIGHTING PROCEDURES : Wear self-contained breathing apparatus and suitable personal protective clothing.
SPECIAL EXPOSURE HAZARDS : Combustion or thermal decomposition may evolve toxic or irritant vapours.

6. ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS (see also box 8) : Wear suitable personal protective equipment.
PROCEDURE (see also box 13) : Spills should be swept up carefully, avoiding the formation of a dust cloud, and transferred
to a suitable container for subsequent disposal. DO NOT contaminate
watercourses or ground.

7. HANDLING AND STORAGE (see also box 8)
HANDLING : Avoid all contact by mouth.
Wash hands and exposed skin before eating, drinking or smoking and after use.
STORAGE : Store in original container in a cool, dry, ventilated place out of reach of children and away from food, drink and
animal feeding stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (see also box 7)
OCCUPATIONAL EXPOSURE LIMITS : For dusts : Personal exposure should be kept below both 10 mg/m3 long-term exposure (8 hr
Time Weighted Average) for total inhalable dust and 4 mg/m3 long-term exposure (8 hr TWA) for respirable dust.
ENGINEERING CONTROLS : Where prevention of exposure is not reasonably practicable, adequate control of exposure should
be achieved by engineering controls rather than the provision of personal protective equipment
and clothing. Suitable and approved personal protective equipment and clothing may include the
following item(s):
EYE PROTECTION : None necessary under normal working conditions.
HAND PROTECTION : Wear suitable hand protection such as synthetic rubber / PVC gloves.
SKIN PROTECTION : Wear suitable skin protection such as coveralls.
BREATHING PROTECTION : Wear suitable respiratory protection such as a toxic dust mask.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR : A blue dust with no perceptible odour.
FLASH POINT : Not applicable. SOLUBILITY IN WATER : Virtually insoluble.
FLAMMABILITY : Non-flammable. SOLUBILITY IN FAT : Virtually insoluble.
AUTOFLAMMABILITY : Not applicable. PARTITION COEFFICIENT : Not applicable.
VAPOUR PRESSURE : Not applicable. BOILING POINT/RANGE : Not applicable.
BULK DENSITY : 0.37 g/cm3. MELTING POINT/RANGE : Starts at ca. >150 C.
pH : Not applicable.
OXIDISING PROPERTIES : None known.
EXPLOSIVE PROPERTIES : None known.
OTHER DATA : None known.

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID : Avoid extremes of temperature, eg. below 0 C and above 40 C.
MATERIALS TO AVOID : None known

HAZARDOUS BREAKDOWN PRODUCTS : Combustion or thermal decomposition may evolve toxic or irritant vapours.

11. TOXICOLOGICAL INFORMATION (see also box 2)

INHALATION : LC50 inhalation (rat): for 1% bromadiolone powder: < 0.523 mg/litre air.
INGESTION : LD50 oral (rat) : for a similar product : > 1532 mg/kg.
If ingested symptoms may include nosebleed and bleeding gums. In severe cases there may be
bruising, haematomas of the joints and blood present in the faeces and urine.
SKIN CONTACT : LD50 dermal (rat) : for a similar product : > 2000 mg/kg.
Not expected to be irritating to skin.
EYE CONTACT : May be slightly irritating to eyes.
CHRONIC EFFECTS (DUE TO :
LONG/REPEATED EXPOSURE)
Chronic skin exposure may cause dermatitis. See also box 2 (symptoms and effects).

12. ECOLOGICAL INFORMATION

GENERAL INFORMATION : DO NOT contaminate watercourses or ground.
ECOTOXICITY DATA : The full ecotoxicological profile of this product has not been evaluated. Do not contaminate
the environment.
Product may be harmful to fish and other aquatic life.
For bromadiolone (1% solution) : (96h) LC50 (Rainbow trout) : 0.14 g/l
(96h) LC50 (Bluegill sunfish) : 0.3 g/l
(48 h) LC50 (*Daphnia*) : 0.2 mg/l
For Bitrex ™ : At concentrations above 5 mg/l Bitrex ™ is harmful to
the environment.
ENVIRONMENTAL CONSIDERATIONS : The bromadiolone and Bitrex ™ in this product are classified as toxic and harmful to aquatic
organisms, may cause long-term adverse effects in the aquatic environment. Thus, every care must be taken to avoid its release and the subsequent contamination of the aquatic environment

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE : Waste should be disposed of in accordance with Local, State or National requirements.
DISPOSAL OF CONTAINERS : Empty containers should be disposed of in accordance with Local, State or National requirements.
UK SPECIAL WASTE : Hazard Code : Not classified.
REGULATIONS, 1996 Components making the waste special and their concentrations : Not applicable.
NOTE FOR DISPOSAL : Disposal should be in accordance with local, State or National requirements. For further advice about
disposal, in the UK, contact the local office of the Environment Agency (England and Wales) or Scottish
Environment Protection Agency. Local rate from anywhere in the UK : 0645 333111.

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

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Rentokil Initial UK Ltd is not liable for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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14. TRANSPORT INFORMATION (International unless otherwise indicated)

UN NUMBER :
Not required.
UK HAZCHEM EAC :
Not required.
ADR HIN :
Not required.
ADR SIN :
Not required.
UK CDGRoad Transport Category :
Not required.
Tremcard Reference No. :
Not required.
IMDG EMS :
Not required.
IMDG MFAG Table No. :
Not required.
UK CDGCPL2 CARRIAGE : Not classified.
LIMITED QUANTITY EXEMPTIONS : Not required.
SPECIAL REQUIREMENTS : Not required.
LABELS : Not required.
IMDG (SEA) CARRIAGE : Not classified.
LIMITED QUANTITY EXEMPTIONS : Not required.
SPECIAL REQUIREMENTS : Not required.
LABELS : Not required.
ADR (ROAD) CARRIAGE : Not classified.
LIMITED QUANTITY EXEMPTIONS : Not required.
SPECIAL REQUIREMENTS : Not required.
LABELS : Not require

15. REGULATORY INFORMATION

INDICATION OF DANGER HEALTH AND SAFETY INFORMATION (see also box 2)

NOT CLASSIFIED

STATUTORY PHRASES : Wear suitable protective gloves and suitable dust mask when handling or applying the dust.
Avoid all contact by mouth.
Do not lay dust where food, feed or water could become contaminated
Do not apply to surfaces on which food/feed is stored, prepared or eaten.
Prevent access to dust by children and domesticated animals, particularly cats, dogs, pigs and poultry.
Search for and burn or bury all rodent bodies. Do not place in refuse bins or on rubbish tips.
Remove exposed dust after use and burn or bury.
READ ALL PRECAUTIONS BEFORE USE.
LEGISLATION : This product is approved, in the UK, under the Control of Pesticides Regulations (COPR) 1986, for use as directed.

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MAFF 09007.
This product is not classified, in the UK, under the Carriage of Dangerous Goods (Classification, Packaging and Labelling)
and Use of Transportable Pressure Receptacles CDGCPL2 Regulations 1996, as dangerous for carriage.

16. OTHER INFORMATION and indication of revisions

The information given on this Safety Data Sheet (SDS) **does not** constitute an assessment in accordance with the Control of Substances
Hazardous to Health (COSHH) Regulations 1999.
Changes have been made to the content of boxes 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the
left-hand side of the boxes) compared with issue 04.
Bitrex ™ is a registered trademark of Macfarlan Smith.

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