



**CERTIFICATE OF REGISTRATION OF PESTICIDE/VECTOR
REPELLENT**

**ISSUED UNDER SECTION 8 OF THE CONTROL OF VECTORS AND PESTICIDES
ACT 1998**

Registration Number : SINNEAR-TrkPD/012/0045

This is to certify that

Name of Registrant : RENTOKIL INITIAL SINGAPORE PRIVATE
LIMITED

Address of Principal : 16 & 18 JALAN MESIN
Place of Business : SINGAPORE 368815

Company/Business Certificate No : 195900145N

**has been granted registration of the following pesticide for advertisement, sale and
supply in Singapore.**

Product Name : RENTOKIL BROMATROL CONTACT DUST

Active Ingredient : BROMADIOLONE

Content : BROMADIOLONE 0.150% W/W

Formulation : TRACKING POWDER

Manufacturer : RENTOKIL INITIAL UK LTD
FELCOURT
EAST GRINSTEAD, WEST SUSSEX
RH19 2JY
UNITED KINGDOM

The Certificate of Registration is issued subject to the conditions stated overleaf.

07 December 1999
Date of Registration


§ Director General of Public Health
Registration Authority



Rentokil

The experts in pest control

Safety Data Sheet

NOTE: Access to a copy of this Safety Data Sheet (SDS) via our Website does not constitute the issue of a controlled Copy under EU legislation. To be issued with such a copy please contact Rentokil Initial using the details below. In order to confirm the latest version of the SDS for this product visit <http://www.rentokil-initial.com/sds>

REVISION (see box 16)

Issue : 10 16 : 12 : 2008

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	BROMATROL CONTACT DUST
Description	A blue ready-to-use rodenticidal contact dust with no perceptible odour and a taste aversive agent. For use by professional operators in the control of rats and mice.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1293 858 000 E-mail: sds@rentokil.com

2 HAZARD IDENTIFICATION	
Classification (Supply – Use) : In compliance with EC Directive 1999/45.	
X_n Harmful	R20/22 Harmful by inhalation and if swallowed.
Adverse Physical, Chemical, Significant Human Health and Environmental 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. Phytomenadione, Vitamin K1, is antidotal.	
No other significant adverse effects expected under normal conditions of handling and use.	

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)		
% w/w	Common*/Chemical Name, ELINCS/EINECS & CAS No. of Ingredients	EC 1999/45 Classification
≤ 0.15	Bromadiolone*/3-[3-4(4-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin EINECS : 249-205-9 CAS : 28772-56-7	T+ : R26/27/28 R52/53
≤ 1.0	Bitrex®*/Denatonium benzoate EINECS : 223-9-52 CAS : 3734-33-6	T : R20/22 X _i : R38 X _i : R41 R52/53
>50.0 ≤ 100.0	Kaolin EINECS : 310-194-1 CAS : 1332-58-7	Not classified. Substance with a Community Workplace Exposure Limit (refer to box 8).
>10.0 ≤ 25.0	Mica EINECS : 310-127-6 CAS : 12001-26-2	Not classified. Substance with a Community Workplace Exposure Limit (refer to box 8).
≤ 1.0	Quartz (silica, respirable crystalline) EINECS : 238-878-4 CAS : 14808-60-7	Not classified. Substance with a Community Workplace Exposure Limit (refer to box 8).

BROMATROL CONTACT DUST

4 FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2)

Inhalation	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.
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 ½ litre or 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	Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK. Vitamin K1 is a known antidote.

5 FIRE FIGHTING MEASURES

Fire Extinguisher Type	Use carbon dioxide, foam, water, or dry powder extinguishers.
Special Fire-Fighting Procedures	Wear suitable personal protective equipment.
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.
Environmental Precautions	Keep away from drains, surface and ground water, and soil.
Clean-up 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.

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. Wear suitable gloves and a suitable dust mask when using and applying the product.
Storage	Store in original container in a cool, dry, ventilated place out of the reach of children and away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standard - Directive EC/98/24 (1st IOELV Directive)	Workplace Exposure Limit (WEL) for dusts is 10 mg/m ³ (8 hour Time Weighted Average (8hr TWA)) for inhalable dust and 4 mg/m ³ (8hr TWA) for respirable dust. WEL for kaolin (respirable dust) is 2 mg/m ³ long-term exposure (8hr TWA). WEL for mica (respirable) is 0.8 mg/m ³ long-term exposure (8hr TWA) and mica (total inhalable) is 10 mg/m ³ long-term exposure (8hr TWA) WEL for silica, respirable crystalline (quartz) is 0.1 mg/m ³ long-term exposure (8hr TWA). Quartz is referred to as silica, respirable crystalline in Directive EC/98/24 (1 st IOELV Directive).
Engineering Controls	Where exposure may occur, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be required:
Eye Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Breathing Protection	Suitable respiratory protection such as a suitable dust mask.
Environmental Exposure Controls	Use only in accordance with instructions given.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	A blue dust with no perceptible odour.		
pH	Not applicable.	Solubility in Water	Virtually insoluble.
Density	Approx. 0.37 g/cm ³	Solubility in Other Solvents	Virtually insoluble.
Flash Point	Not applicable.	Explosive Properties	Contains no explosive components.
Flammability	Non-flammable.	Combustibility	Non-combustible.
Boiling Point/Range	Not applicable.	Oxidising Properties	Contains no oxidising components.
Vapour Density	Not applicable.	Evaporation Rate	Not applicable.
Vapour Pressure	Not applicable.	Partition Coefficient	Not applicable.
Viscosity	Not applicable.	Other Data	None known.

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14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)				
UN No.	Not classified.	Tremcard Reference No.	Not required.	RIS Code
Transport Category	Not required.	UK Hazchem EAC	Not required.	PSB22 / PSB100
ADR 2007 (International Road) Proper Shipping Name	Class Not required.	ADR HIN	Not required.	Labels Not required.
Limited Quantity Exemptions	Not required.			
Special Requirements	Not required.	Packing Group	Not required.	
IMDG 2006 (Sea) Proper Shipping Name	Class Not required.	IMDG EMS	Not required.	
Limited Quantity Exemptions	Not required.			
Special Requirements	Not required.	Packing Group	Not required.	
Note for Transport	Local, State or National requirements may apply to the carriage of this product.			

15 REGULATORY INFORMATION (HEALTH AND SAFETY INFORMATION (SEE ALSO BOX 2))	
Safety Phrases	S22 : Do not breathe dust. S25 : Avoid contact with eyes. S60 : This material and its container must be disposed of as hazardous waste.
Additional Label Phrases	To avoid risks to man and the environment, comply with the instructions for use.
Legislation	Labelling is in accordance with UK regulations implementing the EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with other National legislation. Outside the UK, the registration of this product may be necessary before use and any additional local requirements must be observed at all times. The information given on this Safety Data Sheet (SDS) does not constitute an assessment in accordance with Control of Substances Hazardous to Health (COSHH) Regulations 2002, in the UK. Other National measures or guidance should be followed where appropriate.

16 Other Information and indication of revisions	
Bitrex® is a registered trademark of Macfarlan Smith Ltd.	
Packaging Information	1 kg polyethylene lined paper bag and a 300g polyethylene bottle.
Revisions	Changes have been made to the content of boxes 01, 02,03, 04, 05, 06, 07, 08, 09, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 09.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R20/22 : Harmful by inhalation and if swallowed. R26/27/28 : Very toxic by inhalation, in contact with skin and if swallowed. R38 : Irritating to skin. R41 : Risk of serious damage to eyes R52,53 : Harmful toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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SDS No. 022

Issue : 10

16 : 12 : 2008

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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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