



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

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

Registration Number : SINNEAR-GrnRB/009/0090

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 FENTROL

Active Ingredient : DIFENACOUM

Content : DIFENACOUM 0.005% W/W

Formulation : GRANULAR BAIT

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

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

13 JULY 2000
Date of Registration


§ Director General of Public Health
Registration Authority

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 at the address below by telephone, fax or in writing. In order to confirm the latest version of the SDS for this product see web: www.ri-research.com and click on Technical Information / Product Safety.

REVISION (see box 16)
Issue : 09 09 : 11 : 2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY	
Product Name	FENTROL
Description	A blue, ready-to-use, rodenticidal, whole-grain bait with no perceptible odour and a bittering additive. For use by professional operators for the control of rats and mice.
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: 0151 548 5050 Emergency line: 0800 731 6 731

2 HAZARD IDENTIFICATION
Classification (Supply – Use) : In compliance with EC Directive 1999/45.
Not classified
Adverse Physical, Chemical, Significant Human Health and Environmental Effects (See also box 11):
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.
Difenacoum is non-biodegradable.

3 COMPOSITION / INFORMATION ON INGREDIENTS (SEE ALSO BOX 16)		
% w/w	Common*/Chemical Name, Elincs/Einecs & CAS No. of Ingredients	EC 1999/45 Classification
0.005	Difenacoum*/3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin EINECS : 259-978-4 CAS : 56073-07-5	T+ : R28 T : R48/25 N : R50,53
≤1.0	Bitrex*/denatonium benzoate EINECS : 223-095-2 CAS : 3734-33-6	X _n : R20/22 X _i : R38 Xi : R41 R52,53
>2.5 ≤10.0	Propylene glycol*/propane-1,2-diol EINECS : 200-338-0 CAS : 57-55-6	Not classified.

FENTROL

4 FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2)	
Inhalation	This route of exposure is not anticipated.
Eye Contact	This route of exposure is not anticipated, however, 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 K ₁ 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	None known.

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)	Sweep up spilled material. Transfer to a suitable container for re-use or subsequent disposal.

7 HANDLING AND STORAGE (SEE ALSO BOX 8)	
Handling	Avoid all contact by mouth. Wash hands thoroughly after handling.
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 (1 st IOELV Directive)	Workplace Exposure Limit (WEL) for monopropylene glycol is 474 mg/m ³ long-term exposure (8 hour Time Weighted Average) (vapour and particulates) and 10 mg/m ³ long-term exposure (8 hour Time Weighted Average) (particulates).
Engineering Controls	Monopropylene glycol is referred to as propane-1,2-diol in Directive EC/98/24 (1 st IOELV Directive). 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	None necessary during normal handling and use.
Hand Protection	Suitable hand protection such as gloves.
Skin Protection	None necessary during normal handling and use.
Breathing Protection	None necessary during normal handling and use.
Environmental Exposure Controls	Use only in accordance with instructions given. An ecological hazard assessment indicates no specific restrictions on environmental release.

9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance and Odour	A blue, ready-to-use, rodenticidal, whole-grain, bait with no perceptible odour and a bittering additive.		
pH	Not applicable.	Solubility in Water	Insoluble.
Bulk Density	0.74 g/cm ³ at 20°C	Solubility in Other Solvents	Insoluble.
Flash Point	Not applicable.	Explosive Properties	None.
Flammability	Non-flammable.	Combustibility	Combustible.
Boiling Point/Range	Decomposition starts at ca. 100°C.	Oxidising Properties	None.
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.	PSF11
ADR 2005 (International Road)	Class Not required.	ADR HIN	Not required.	Labels Not required.
Proper Shipping Name	Not required.			
Limited Quantity Exemptions	Not required.			
Special Requirements	Not required.	Packing Group	Not required.	
IMDG 2004 (Sea)	Class Not required.	IMDG EMS	Not required.	Labels Not required.
Proper Shipping Name	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	Safety phrases are not required.
Additional Label Phrases	Safety data sheet available for professional user on request. 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	High density polyethylene bucket with snap-on lid containing 5.0kg of bait. Polyethylene or polypropylene sack (with or without a cardboard outer pack) containing 12.5-25kg of bait.
Revisions	Changes have been made to the content of boxes 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 08.
Risk phrase text (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	R28 : Very toxic if swallowed. R48/25 : Toxic: danger of serious damage to health by prolonged exposure if swallowed. R50,53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R20/22 : Harmful by inhalation and if swallowed. R38 : Irritating to skin. R41 : Risk of serious damage to eyes. R52,53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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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