

# Safety Data Sheet

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**REVISION (see box 16)**

Issue : 02 24 : 04 : 2009

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

<b>Product Name</b>	<b>ADVANCED MOUSE KILLER BOX</b>	<b>HSE 8439</b> <b>PCS 95011</b>
<b>Description</b>	A tamper resistant bait box containing 1-2 pre-placed, green, extruded bait blocks, each up to 10g. For amateur use in the control of mice indoors.	
<b>Company</b>	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1293 858 000 E-mail: <a href="mailto:sds@rentokil.com">sds@rentokil.com</a>	

## 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):**

Ingestion of the product in large quantities may lead to nausea, vomiting, nervous system depression, headache and weakness leading to unconsciousness. However, the ingestion of large quantities of the product is extremely unlikely due to the presence of the bittering agent Bitrex®.

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
3.9	Alphachloralose*/ (R)-1,2-O-(2,2,2-trichloroethylidene)- $\alpha$ -D-glucopyranose EINECS : 240-016-7 CAS : 15879-93-3	X <sub>n</sub> : R20/22
≤1.0	Bitrex®/denatonium benzoate EINECS : 223-095-2 CAS : 3734-33-6	X <sub>n</sub> : R20/22 X <sub>i</sub> : R38, R41 R52,53

**ADVANCED MOUSE KILLER BOX**

<b>4 FIRST-AID MEASURES (SEE ALSO “ADVERSE EFFECTS” IN BOX 2)</b>	
<b>Inhalation</b>	This route of exposure is not anticipated.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
<b>Ingestion (Swallowing)</b>	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.
<b>Emergency Equipment Suggested</b>	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”.
<b>Note To Doctor</b>	Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK.

<b>5 FIRE FIGHTING MEASURES</b>	
<b>Fire Extinguisher Type</b>	Use carbon dioxide, foam, water-fog, or dry powder extinguishers.
<b>Special Fire-Fighting Procedures</b>	Wear suitable personal protective equipment.
<b>Special Exposure Hazards</b>	Chlorine (Cl) and other toxic vapours may be formed in the event of a fire.

<b>6 ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions (See also box 8)</b>	Wear suitable personal protective equipment.
<b>Environmental Precautions</b>	Keep away from drains, surface and ground water, and soil.
<b>Clean-up Procedure (See also box 13)</b>	Collect up bait boxes and if intact they can be re-used. If not, transfer to a suitable container for subsequent disposal.

<b>7 HANDLING AND STORAGE (SEE ALSO BOX 8)</b>	
<b>Handling</b>	Avoid all contact by mouth.
<b>Storage</b>	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.

<b>8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Exposure Standard - Directive EC/98/24 (1<sup>st</sup> IOELV Directive)</b>	Not assigned.
<b>Engineering Controls</b>	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:
<b>Eye Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
<b>Hand Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
<b>Skin Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
<b>Breathing Protection</b>	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
<b>Environmental Exposure Controls</b>	Use only in accordance with instructions given.

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Appearance and Odour</b>	Green, extruded bait blocks with no perceptible odour.		
<b>pH</b>	Not applicable.	<b>Solubility in Water</b>	Insoluble.
<b>Density</b>	Ca. 1.1 g/cm <sup>3</sup>	<b>Solubility in Other Solvents</b>	Partly soluble.
<b>Flash Point</b>	Not applicable.	<b>Explosive Properties</b>	None.
<b>Flammability</b>	Non-flammable.	<b>Combustibility</b>	Not determined.
<b>Boiling Point/Range</b>	Not applicable.	<b>Oxidising Properties</b>	None.
<b>Vapour Density</b>	Not applicable.	<b>Evaporation Rate</b>	Not applicable.
<b>Vapour Pressure</b>	Not applicable.	<b>Partition Coefficient</b>	Not applicable.
<b>Viscosity</b>	Not applicable.	<b>Other Data</b>	Melting Point: begins to soften at ca. 40-50°C. Actual melting point is ca. 60°C.

## ADVANCED MOUSE KILLER BOX

## 10 STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
<b>Materials to avoid</b>	Avoid contact with acids.
<b>Hazardous Breakdown Products</b>	Chlorine (Cl) and other toxic vapours may be formed in the event of a fire.

## 11 TOXICOLOGICAL INFORMATION (SEE ALSO BOX 2)



<b>Acute Toxicity</b>	Oral Inhalation Dermal	For alphachloralose: LD <sub>50</sub> (rat): 341 mg/kg For alphachloralose: LD <sub>50</sub> (rat) 4h: > 4.55 mg/L For alphachloralose: LD <sub>50</sub> (rat): > 2000 mg/kg
<b>Corrosivity/Irritation</b>	Skin Eyes Respiratory tract	For alphachloralose: Non-irritant. For alphachloralose: Non-irritant. Not determined.
<b>Sensitisation</b>	Skin Respiratory	No cutaneous reactions attributable to chloralose. Contains no known respiratory sensitisers.
<b>Repeat-Dose Toxicity</b>		For alphachloralose: NOAEL (rats): 60 mg/kg body weight/90 days.
<b>Mutagenicity</b>		Product does not contain any components at greater than 1% w/w known to have a mutagenic effect.
<b>Carcinogenicity</b>		Product does not contain any components at greater than 1% w/w known to have a carcinogenic effect.
<b>Reproductive Toxicity</b>	Fertility Development	Product does not contain any components known to have effects on fertility. For alphachloralose: NOAEL (rats): 15 mg/kg body weight/day. Chloralose is non-teratogenic in rats up to the dose level of 60mg/kg body weight/day.
<b>Other Information</b>		Excessive concentrations may cause nervous system depression, headache and weakness leading to unconsciousness.

## 12 ECOLOGICAL INFORMATION

<b>General Information</b>	This product does not contain any substances that are classified as dangerous to the environment present above the lower limits of concentration as specified in EC Directive 1999/45. Controlled release of this product is not expected to cause environmental contamination. Use only in accordance with instructions given.
<b>Ecotoxicity Data</b>	For alphachloralose: LOEC ( <i>Daphnia magna</i> ): 0.14 mg/L EC <sub>50</sub> (24hr) ( <i>Daphnia magna</i> ): 0.80 mg/L EC <sub>50</sub> (48hr) ( <i>Daphnia magna</i> ): 0.36 mg/L NOEC (72hr) ( <i>Pseudokirchneriella subcapitata</i> ): 0.13 µg/mL LOEC (72hr) ( <i>Pseudokirchneriella subcapitata</i> ): 0.28 µg/mL
<b>Mobility</b>	Not determined.
<b>Persistence and Degradability</b>	Alphachloralose is not readily biodegradable.
<b>Bioaccumulative Potential</b>	Not determined.
<b>Other Adverse Effects</b>	None known.

## 13 DISPOSAL CONSIDERATIONS

<b>Disposal of Waste / Containers</b>	This product is for amateur use and can be disposed of as normal household waste. However, if used in a place of work, any product and empty container must be disposed of as controlled waste.
<b>Classification</b> (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC)	Not classified. <u>Components making the waste hazardous:</u> _____ <u>Concentrations (%):</u> _____
<b>Note for Disposal</b>	Not required.  The best means of disposal of any product is through proper use according to the label. 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: +44(0) 870 850 6506

14 TRANSPORT INFORMATION (INTERNATIONAL UNLESS OTHERWISE INDICATED)			
UN No.	UN3077		RIS Code
Transport Category	3	UK Hazchem EAC	2Z CBA55
ADR 2009 (International Road)	Class 9	ADR HIN	90 Labels
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains chloralose).		
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 6 kg. Maximum quantity per outer package is 30 kg. Combination packs only.		
Special Requirements	Not required. Packing Group III		
IMDG 2008 (Sea)	Class 9	IMDG EMS	F-A, S-F
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains chloralose).		
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 kg. Maximum quantity per outer package is 30 kg. Combination packs only.		
Special Requirements	Not required. Packing Group III		
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	To avoid risks to man and the environment, comply with the instructions for use.
Legislation	<p>Labelling is in accordance with UK regulations implementing the EC Directive 1999/45.</p> <p>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.</p> <p>The information given on this Safety Data Sheet (SDS) <b>does not</b> 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.</p>

16 Other Information and indication of revisions	
Bitrex <sup>®</sup> is a registered trademark of Macfarlan Smith Ltd.	
Packaging Information	A clear plastic bait box, containing two green, extruded bait blocks, packaged in a cardboard outer.
Revisions	Changes have been made to the content of boxes 01, 02, 05, 06, 07, 09, 10, 11, 12, 13, 14 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 01.
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. 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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