


# Safety Data Sheet

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28 : 02 : 2014

<b>SECTION 1 Identification of the substance/mixture and of the company/undertaking.</b>		
<b>1.1 Product identifier</b>	Deadline Alpha Express Bait Blocks	---
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Up to 10g green, smooth, triangular bait blocks with no perceptible odour. For professional use for the control of mice.	
<b>1.3 Details of the supplier of the safety data sheet</b>	Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 E-mail: sds@rentokil.com	
National contact	Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 E-mail: sds@rentokil.com	
<b>1.4 Emergency telephone number</b>	0844 892 011 (for use by medical professionals only).	

<b>SECTION 2 Hazards Identification</b>		
<b>2.1 Classification of the substance or mixture</b>		
Classification according to Regulation (EC) 1272/2008.		
Not applicable. See section 16.		
Classification according to Directive 1999/45/EC (See section 16)		
N	Dangerous for the environment.	R50/53
<b>2.2 Label elements</b>		
	Dangerous for the environment.	
Risk phrase(s) (R), in full / Hazard statement(s) (H), in full.	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Safety phrase(s) (S), in full / Precautionary Statement(s) (P), in full.	S60: This material and its container must be disposed of as hazardous waste. S61: Avoid release to the environment. Refer to special instructions/safety data sheets.	

### 2.3 Other hazards

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.

## SECTION 3 Composition/Information on Ingredients (See section 16)

### 3.2 Mixtures

% w/w	Common*/ Chemical Name (IUPAC)	CAS No.	EC No.	Index No.	REACH Registration No.	Directive 67/548/EEC classification	Regulation (EC) No 1272/2008 classification
3.9	Chloralose	15879-93-3	240-016-7	-	-	Xn: R20/22 N: R50/53	Acute Tox. 4 : H302 H332
≤0.1	Bitrex®* / denatonium benzoate 260804	3734-33-6	223-095-2	-	-	Xn: R20/22 R38 R41 -: R52/53	Acute Tox. 4 : H302 H332 Skin Irrit. 2 : H315 Eye Dam. 1 : H318 Aquatic Chronic 3 : H412

## SECTION 4 First-Aid Measures

### 4.1 Description of first aid measure

Inhalation	This route of exposure is not anticipated.
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.

### 4.2 Most important symptoms and effects both acute and delayed (See section 2.3)

Emergency Equipment Suggested	Appropriate first-aid equipment should be provided.
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### 4.3 Indication of any immediate medical attention and special treatment needed

Note To Doctor	Further information on all Rentokil Initial formulations is lodged with the local National Poisons Information Service.
Antidote	No specific antidote known. Treatment is symptomatic.

## SECTION 5 Fire Fighting Measures

### 5.1 Extinguishing media

Suitable extinguishing media	Use carbon dioxide, foam, water-fog, or dry powder extinguishers.
Unsuitable extinguishing media	Not specified.

### 5.2 Special hazards arising from the substance or mixture

Chlorine (Cl) and other toxic vapours may be formed in the event of a fire.

### 5.3 Advice for fire fighters

Wear suitable personal protective equipment conforming to EN469.

## SECTION 6 Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

<b>6.2 Environmental precautions</b>	Keep away from drains, surface and ground water, and soil.
<b>6.3 Methods and material for containment and cleaning up</b>	Collect up spilt material and transfer to a suitable container for re-use or subsequent disposal.
<b>6.4 Reference to other sections</b>	Please also see sections 8 and 13 for further information.
Additional information	Clear spills immediately.

## SECTION 7 Handling and Storage

<b>7.1 Precautions for safe handling</b>	No specific handling requirements.
<b>7.2 Conditions for safe storage, including any incompatibilities</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>7.3 Specific end use(s)</b>	Rodenticide.

## SECTION 8 Exposure Controls/Personal Protection

### 8.1 Control Parameters

Exposure standard - Directive 98/24/EC (1st IOELV Directive)	<b>Workplace Exposure Limit (WEL) long-term exposure (8 hour Time Weighted Average)</b>	Not applicable.
	<b>Workplace Exposure Limit (WEL) short-term exposure (15 minute reference period)</b>	Not applicable.
	<b>Substance name used in Directive EC/98/24 (1st IOELV Directive)</b>	Not applicable.

### 8.2 Exposure Controls

Appropriate 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:
Individual Protection Measures	
Eye/face protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Hand protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Skin/body protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Respiratory protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Environmental Exposure Controls	Use only in accordance with instructions given.

## SECTION 9 Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance, odour and physical state	Smooth green triangular bait blocks with no perceptible odour.		
pH	Not applicable.	Solubility in water	Insoluble.
Density	1.1 g/cm <sup>3</sup> (20°C).	Solubility in other solvents	Soluble.
Relative density	Not applicable.	Explosive properties	No known explosive properties.
Flash point	Not applicable.	Combustibility	Combustible.
Flammability	Non-flammable.	Oxidising properties	No known oxidising properties.

Initial boiling Point and boiling range	Not applicable.	Evaporation rate	Not applicable.
Vapour Density	Not applicable.	Partition coefficient: n-octanol/water	Not applicable.
Vapour pressure	Not applicable.	Decomposition temperature	Not determined.
Melting point / Freezing point	60°C	Auto-ignition temperature	Not determined.
<b>9.2 Other Information</b>			
Upper/lower flammability or explosive limits	Not applicable.	Other safety information	None known.
Viscosity	Not applicable.		

## SECTION 10 Stability and Reactivity

<b>10.1 Reactivity</b>	This product is stable under normal conditions of handling and use.
<b>10.2 Chemical stability</b>	This product is stable under normal conditions of handling and use.
<b>10.3 Possibility of hazardous reactions</b>	None expected under normal conditions of handling and use.
<b>10.4 Conditions to avoid</b>	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
<b>10.5 Incompatible materials</b>	Avoid contact with acids.
<b>10.6 Hazardous decomposition products</b>	Chlorine (Cl) and other toxic vapours may be formed in the event of a fire.

## SECTION 11 Toxicological Information (see also box 2)

<b>11.1 Information on toxicological effects</b>		
Acute Toxicity	Oral	Chloralose: LD <sub>50</sub> (rat): 341 mg/kg.
	Inhalation	Chloralose: LC <sub>50</sub> (rat) (4hr); >4.55mg/L.
	Dermal	Chloralose: LD <sub>50</sub> (rat): >2000 mg/kg.
Corrosivity/ Irritation	Skin	Not irritating to skin
	Eyes	Not irritating to eyes.
	Respiratory tract	Unlikely route of exposure.
Sensitisation	Skin	Contains no known skin sensitisers.
	Respiratory	Contains no known respiratory sensitisers.
Repeated dose toxicity;	alphachloralose: LD <sub>50</sub> (rat): NOAEL (rats): 60mg/kg body weight / 90 days.	
Mutagenicity	Product does not contain any components at concentrations greater than 0.1% w/w known to have a mutagenic effect.	
Carcinogenicity	Product does not contain any components at concentrations greater than 0.1% w/w known to have a carcinogenic effect.	
Reproductive Toxicity	Fertility	Product does not contain any components known to have effects on fertility.
	Developmental	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.
Other data	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®.	

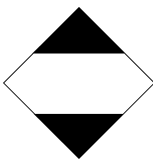
## SECTION 12 Ecological Information

12.1 Toxicity	
General information	This product is classified as very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. However when used in accordance with instructions given, controlled release of this product is not expected to cause environmental contamination.
Ecotoxicity data	For Chloralose: 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> (72hr) ( <i>Pseudokirchneriella subcapitata</i> ): 0.13 µg/mL, LOEC (72hr) ( <i>Pseudokirchneriella subcapitata</i> ): 0.28 µg/mL.
12.2 Persistence and degradability	Alphachloralose is not readily biodegradable.
12.3 Bioaccumulative potential	Not determined.
12.4 Mobility in soil	Not determined.
12.5 Results of PBT and vPvB assessment	Does not meet requirements for assessment.
12.6 Other Adverse Effects	None known.

## SECTION 13 Disposal Considerations

13.1 Waste treatment methods	Disposal of the container must be in accordance with Local, State or National Requirements.	
Product/packaging disposal	Disposal must be in accordance with Local, State or National Requirements.	
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Hazard Code: H14 - Ecotoxic.	
	Substances making the waste hazardous:	Concentrations (%):
	Chloralose	3.9
Note for Disposal	The best means of disposal of any product is through proper use according to the label. Disposal must be in accordance with Local, State or National Requirements.	

## SECTION 14 Transport Information (International unless otherwise indicated)

ADR 2011 (International Road) / IMDG 2010 (Sea)			
14.1 UN number	UN 3077	RIS Code	12 x 5g block. 48 x 10g block. PSF144, PSF146
14.2 UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Chloralose)		
14.3 Transport hazard class(es)	9		
ADR HIN	90		
UK Hazchem EAC	2Z		
IMDG EMS	F-A, S-F		
14.4 Packing Group	III	<b>Labels</b> 	
Transport Category	3		
14.5 Environmental hazards	Yes		
Marine pollutant	Yes		
Additional precautions	Not applicable.		
14.6 Special precautions for user	-		

<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
Limited Quantity Exemptions	Maximum quantity per inner receptacle is 5 kg. Maximum per outer package is 30 kg. Combination packs only.
Note for Transport	Local, State or National requirements may apply to the carriage of this product.

## SECTION 15 Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorisations and/or restrictions on use	Information to be made available according to ECHA review programme.
Other EU regulations	This safety data sheet was prepared in accordance with EC Directive 1907/2006 (as amended). Labelling is in accordance with EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with other National legislation. The registration of this product may be necessary before use and any additional local requirements must be observed at all times. Other National measures or guidance should be followed where appropriate.
<b>15.2 Chemical safety assessment</b>	Information to be made available according to ECHA review programme.

## SECTION 16 Other Information

Revisions	Not applicable.
Abbreviations and acronyms	<p>Typical standard abbreviations and acronyms used in Rentokil Initial Safety Data Sheets are as follows:</p> <p>ADR 2011 - International Carriage of Dangerous Goods by Road (ADR) ADR HIN - ADR Hazard Identification Number (HIN) Annex I DNEL or PNEC - Derived No Effect Level / Predicted No Effect Concentration CAS No - Chemicals Abstract Service Registry Number COSHH assessments - Control of Substances Hazardous to Health ECHA - European Chemicals Agency EC No - European Commission number EN469 - European standard for Personal Protective Equipment used for fire fighting EN standards for PPE - European Standards for Personal Protective Equipment EWC - European Waste Catalogue Code IMDG 2010 - International Maritime Dangerous Goods (IMDG) Code IUPAC - International Union of Pure and Applied Chemistry LD<sub>50</sub> - Median lethal dose LC<sub>50</sub> - Lethal concentration REACH - Registration, Evaluation, Authorisation and restriction of Chemicals RIS Code - Internal manufacturing code number WEL - Workplace Exposure Limit UK Hazchem EAC - UK Hazchem Emergency Action Code</p> <p>Typical Directives and Regulations referred to Rentokil Initial Safety Data Sheets are as follows:</p> <p>Commission Decision 95/320/EC - Scientific Committee for Occupational Exposure Limits to Chemical Agents Commission Decision 2000/532/EC - List of wastes Commission Decision 2001/118/EC - Amendment to 2000/532/EC with regards to List of wastes Directive 67/548/EEC - Dangerous Substances Directive Directive 76/768/EC (as amended) - The Cosmetics Directive Directive 89/686/EEC - The Personal Protective Equipment (PPE) Directive Directive 91/689/EC - Directive on Hazardous waste Directive 98/24/EC (1st IOELV Directive) - Chemical Agents Directive 98/24/EC Protection of the Health and Safety of Workers from the Risks from Chemical Agents IOELV Directive: Indicative Occupational Exposure Limit Values Regulation (EC) No 1907/2006 - REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) Regulation (EC) No 453/2010-amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Directive 1999/45/EC - Dangerous Preparations Directive Directive 2004/37/EC - Carcinogens and Mutagens Directive Regulation (EC) No. 648/2004 - Detergents Regulation Regulation (EC) No 1272/2008 - Classification, Labelling and Packaging</p>

<b>Key literature references and sources for data</b>	For details of the data and information sources used, please contact Rentokil Initial using the details in Section 1.
<b>Classification and used classification procedure for mixtures labelled to Directive 1999/45/EC according to Regulation (EC) No 1272/2008</b>	Not currently classified to Regulation (EC) No. 1272/2008 until 31/05/2015.
<b>Risk phrase/Hazard statement text</b> (From section 3 - These refer to the ingredients only. See section 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. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H302: Harmful if swallowed. H332: Harmful if inhaled. H412: Harmful to aquatic life with long lasting effects.
<b>Training advice</b>	Use biocides safely. Always read the label and product information before use. Ensure you have received adequate training and/or instructions before use.
<b>Further Information</b>	Tray containing 12 x 5g blocks or 48 x 10g blocks supplied in a plastic bag. Bitrex® is a registered trademark of Macfarlan Smith Ltd.

## DEADLINE ALPHA EXPRESS BAIT BLOCKS

SDS No. 1207 - EN - GB

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

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