

## 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 <u>http://www.rentokil-initial.com/sds/rentokil-products/</u>

## **REVISION** (see box 16)

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
Product Name	DEADLINE HSE 6721	
Description	A rodenticide for professional use. A blue ready-to-use whole grain bait with no perceptible odour. Contains Bitrex <sup>®</sup> , a bittering agent.	
Company	Rentokil Initial Supplies, Liverpool, L33 7SR. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1293 858 000 E-mail: <u>sds@rentokil.com</u>	

## 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 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.

None 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	S No. of Ingredients	EC 1999/45 Classification	
0.005		ylpropyl]-4- ECS : 249-205-9 CAS : 28772-56-7	T+ : R26/27/28 R52,53	
>2.5 ≤10.0		CAS 57-55-6	Not classified. Substance with a Community Workplace Exposure Limit (refer to box 8).	

## DEADLINE

#### FIRST-AID MEASURES (SEE ALSO "ADVERSE EFFECTS" IN BOX 2) 4 Inhalation This route of exposure is not anticipated. **Eve 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. Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and **Skin Contact** water. If the patient feels unwell seek medical advice. Do NOT induce vomiting. If unconscious place in the recovery position and apply supportive measures if Ingestion (Swallowing) necessary. If conscious give patient up to ½ litre or 1 pint of water to drink. Seek medical attention. 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". Emergency Equipment Suggested Note To Doctor Further information on all Rentokil Initial formulations is lodged with the National Poisons Information Service in the UK. Vitamin K1 is antidotal.

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 and 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)	Collect up spilt material and transfer to a suitable container for re-use or subsequent disposal.	

7 HANDLING	AND STORAGE (SEE ALSO BOX 8)
Handling	No specific handling requirements.
	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	8 EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Standard - Directive EC/98/24 (1 <sup>st</sup> IOELV Directive)	Workplace Exposure Limit (WEL) for propane-1,2-diol, for long-term exposure is 10 mg/m <sup>3</sup> (particulates) (8 hour Time Weighted Average).			
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	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.			
Skin Protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.			
Breathing 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. An ecological hazard assessment indicates no specific restrictions on environmental release.			

9 PHYSICAL AND CHEMICAL PROPERTIES				
Appearance and Odour	Appearance and Odour A blue ready-to-use whole grain bait with no perceptible odour.			
рН	Not applicable.	Solubility in Water	Insoluble.	
Bulk Density	0.72 g/cm <sup>3</sup>	Solubility in Other Solvents	Not determined.	
Flash Point	Not applicable.	Explosive Properties	None.	
Flammability	Non-flammable.	Combustibility	Combustible.	
Boiling Point/Range	Not applicable.	<b>Oxidising Properties</b>	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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Conditions to avoid Materials to avoid		Avoid extremes of temperature, e.g. below 0°C and Oxidising agents.	above 40°C.	
Hazardous Breakdown Products		Combustion or thermal decomposition may evolve to	oxic and irritant vapours	
11 ΤΟΧΙΟ	OLOGICA	L INFORMATION (SEE ALSO BOX	2)	
Acute Toxicity	Oral	LD <sub>50</sub> (rat) (calculated): >2000 mg/kg		
	Inhalation	This route of exposure is not anticipated.		
	Dermal	Not hazardous.		
Corrosivity/ rritation	Skin	No skin irritation potential expected.		
mation	Eyes	No eye irritation potential expected.		
	Respiratory tract	No respiratory tract irritation potential expected.		
Sensitisation	Skin	Contains no known skin sensitisers.		
	Respiratory	Contains no known respiratory sensitisers.		
Repeat-Dose To	oxicity	Product does not contain any components known to	have any effects relating to repeated-dose	
		toxicity.		
Mutagenicity		Product does not contain any components known to		
Carcinogenicity		Product does not contain any components known to		
Reproductive Toxicity	Fertility	Product does not contain any components known to	5	
Other Informati	Development	Product does not contain any components known to Bromadiolone is an indirect anticoagulant. Phytome		
		prothrombin times not less than eighteen hours after K1 until prothrombin time normalises. Continue dete after withdrawal of antidote and resume treatment if	r consumption. If elevated, administer Vitami rmination of prothrombin time for two weeks	
12 ECOL	OGICAL IN	IFORMATION		
General Inform	ation	This product does not contain any substances that a	are classified as dangerous to the environme	
		present above the lower limits of concentration as sprelease of this product is not expected to cause environment accordance with instructions given.	pecified in EC Directive 1999/45. Controlled	
Ecotoxicity Dat	а	For bromadiolone:		
		LC <sub>50</sub> ( <i>O. mykiss</i> ): >1.4 mg/L		
		IC <sub>50</sub> (S. subspicatus) (72h): 0.17 mg/L		
		EC <sub>50</sub> ( <i>Daphnia magna</i> ): 2.0 mg/L		
		Acute NOEC ( <i>E. foetida</i> ) (14 days): >9.48 mg/kg soi		
		Acute LOEC ( <i>E. foetida</i> ) (14 days) : >9.48 mg/kg so	II	
		Acute $LD_{50}$ ( <i>E. foetida</i> ) (14 days) : >9.48 mg/kg soil Acute oral:		
		NOEC (Bobwhite quail): 50 mg/kg	(Mallard duck): 500 mg/kg	
		$LD/C_{50}$ (Bobwhite quail): 138 mg/kg	(Mallard duck): 1293 mg/kg	
		Short-term dietary:	(	
		NOEC (Bobwhite quail) (30 days): <10 mg/kg	(Mallard duck) (35 days): <19 mg/kg	
		LD/C50 (Bobwhite quail) (30 days): 62 mg/kg	(Mallard duck) (35 days): 110 mg/kg	
Mobility		For bromadiolone:		
		Bromadiolone and any potential degradation products, even if released indirectly to soil in small quantities, are not likely to move through the soil profile and are unlikely to reach groundwater in significant quantities.		
Persistence and	b	For bromadiolone:		
Degradability		Bromadiolone is not considered volatile and is not expected to volatise to air in significant quantities.		
Bioaccumulativ	e Potential	For bromadiolone (1%):		
		The log Pow is greater than 3, which indicates a pot	ential to bioaccumulate.	
Other Adverse	Effects	None known.		
13 DISPO	OSAL COI	NSIDERATIONS		
Disposal of Wa	ste /	This product and its empty container must be dispos	ed of as controlled waste.	
Containers Classification		Hazard Code: Not alcosified		
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC		Hazard Code: Not classified.		
		Components making the waste hazardous	Concentrations (%):	
amended) Commis		Not required.		
2001/118/EC)) Note for Dispos	al	The best means of disposal of any product is throug	h proper use according to the label	
		For further advice about disposal in the UK, contact		
		(England and Wales) or Scottish Environment Protection Agency.		
		Local rate from anywhere in the UK: +44 (0) 870 850		

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.	PSD12, PSD52, PSD64, PSD63, 0309
ADR 2009	Class Not required.	ADR HIN	Not required.	Labels
(International Road)				
Proper Shipping Name	Not required.			
Limited Quantity Exemptions	Not required.			Not required
Special Requirements	Not required.		Packing Group Not required.	Not required.
IMDG 2008	Class Not required.	IMDG EMS	Not required.	
(Sea)				
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 appl	y 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	Safety data sheet available for professional user on request.		
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) <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.		

16 Other Information and indication of revisions				
Bitrex <sup>®</sup> is a registered trade	mark of Macfarlan Smith Ltd.			
Packaging Information	A round, high density polyethylene bucket with a snap-on lid containing 12.5 kg. A plastic lined paper sack containing 12.5 kg, 20 kg and 25 kg.			
Revisions	Changes have been made to the content of boxes 01, 03, 04, 08, 10, 11, 12, 13, 14, 15 & 16 (as indicated by the thick lines on the left-hand side of the boxes) compared with issue 09.			
<b>Risk phrase text</b> (From box 3 - These refer to the ingredients only. See box 2 for the product risk phrases)	<ul> <li>R26/27/28 : Very toxic by inhalation, in contact with skin and if swallowed.</li> <li>R52,53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> </ul>			

## DEADLINE

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Before using any produc	t, ensure that you read and understand its la	ibel.	
		knowledge and belief, accurate and reliable at the tir	
		ata sheet and may not be valid for such material if it	
		entokil Initial UK Ltd is not liable for the use of this	
		t your statutory rights. It is the user's responsibility to	satisfy him/herself as
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