

Safety Data Sheet RATIMOR WAX BLOCKS

1	Identification of the preparation and the supplying Company	 1.1 Ratimor Wax Blocks. Rodenticide blocks for rodent control. 1.2 Rodenticide, anticoagulant bait (RB) 1.3 Killgerm Chemicals Ltd, Denholme Drive, Ossett, West Yorkshire, WF5 9NA. Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com 		
		1.4 Emergency telephones. National Poisons Information Service 0870 600 6266. Killgerm Chemicals Ltd, 01924 268452 (Office hours)		
2	Hazards identification	Not classified as hazardous (or dangerous according to 1999/45/EC). Large quantities would need to be ingested to produce a toxic effect (nose bleed and bleeding gums; Hazardous to mammals including domesticated animals, and birds if ingested. Exposure of non-target animal should be prevented.		
3	Composition and information on ingredients	Bromadiolone – 0.005%w/w – active ingredient, anticoagulant Contains Bitrex – human taste aversion ingredient Registration numbers under the "REACH" regulations not assigned.		
4	First Aid measures	Do not induce vomiting or give anything to drink or eat if the patient is unconscious. Treat the patien symptomatically.		
		4.1 Inhalation: Unlikely route of exposure. Remove from exposure. Obtain medical advice if symptoms develop.		
		4.2 Contact with skin: Take off contaminated clothes and shoes. Wash with soap and water. Seek medical advice.		
		4.3 Contact with eye: Flush immediately with a large amount of water for 15 minutes. Seek medical advice if irritation develops.		
		4.4 Ingestion: Wash out mouth. Do not induce vomiting. Do not give anything to eat or drink. Keep patient warm at rest. Seek medical advice <u>immediately</u> .		
		 General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Advice for physicians: Bromadiolone is an indirect anticoagulant. Phytomenadione, Vitamin K₁, is antidote. Determine prothrombin times not less than 18 hours after consumption. If elevated, administe Vitamin K₁ until prothrombin time normalises. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time. 		
5	Fire-fighting measures	The product is not-flammable, but is combustible.		
		5.1 Suitable extinguishing media: Carbon dioxide (CO ₂), alcohol-resistant foam, dry powder, water spray, mist or foam.		
		5.2 Unsuitable extinguishing media : Water jet from a fire hose.		
		5.3 Fire and explosion hazards : In case of fire, the product emits toxic and irritating fumes.		
		5.4 Special protective equipments : Wear self-contained breathing apparatus and protective clothing		
		Other recommendations: Do not breathe fumes. Keep fire-exposed containers cool by spraying with wate if exposed to fire.		
6	Accidental release measures	6.1 Personal protection : Wear protective equipment. (See paragraph no. 8)		
		6.2 Environment precautions : Sweep into a suitable container, store material collected and dispose of safely. Avoid release to watercourses and ground. (See paragraph 8.2)		
		6.3 Clean-up procedures: Sweep up all material first. Then rinse area with water and cleaning agent.		
7	Handling and storage	This product is subject to the Food and Environmental Protection Act 1985, and the Control of Pesticides Regulations 1986 made under it. The product must be used and stored in accordance with the product label.		
		7.1 Handling: Avoid all contact by mouth. Wash hands and exposed part of the body with soap before eating, drinking or smoking and after work. Always use good personal hygiene procedures when handling chemicals. Observe all directions for use and precautions on the product label.		
		7.2 Storage: Store in original container in dry cool conditions. Keep away from food, drink and animal feeding stuffs. Store in a secure, well ventilated place, inaccessible to children and away from products with an odour.		
8	Exposure controls and personal	 7.3 Specific use: Product is for control of rats and mice by professional users only 8.1 Exposure limit values – none assigned for bromadiolone. 		
U	protection	8.2 Exposure controls8.2.1 Occupational exposure controls (a) Respiratory protection :- Not required		
		 (b) Hand protection: - Unlined/Flock lined, synthetic rubber PVC to EN374 (300mm in length) eg. Nitrile. (c) Eye protection: - Wear goggles to EN166 3459B for clean-up spillage situations only. (d) Skin protection: - Wear suitable skin protection such as coveralls, basic type eg. heavy duty polycotton or coverall type 5/6. 		
		or coverall type 5/6. 8.2.2 Environmental exposure controls Ingredients present in this preparation are classified as toxic and harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Avoid release of the rodenticide and any possible subsequen		
Pac	ne 1 of 1 SDS: RATIM	contamination of the aquatic environment. OR WAX BLOCKS REVISION NO. 1 Issue date: FEB 2010		

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	pH: Boiling point/boiling range: Solidification point: Flash point: Flammability/self ignition/ exploaxidising properties: Water solubility:	Nominal 20gramme, red coloured, wax block Characteristic faint odour and environmental information Not applicable Not applicable (55 - 60°c – paraffin) None sive,		
	9.2. Important health, safety a pH: Boiling point/boiling range: Solidification point: Flash point: Flammability/self ignition/ explosoxidising properties: Water solubility:	and environmental information Not applicable Not applicable (55 - 60°c – paraffin) None		
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	Solidification point: Flash point: Flammability/self ignition/ explosoxidising properties: Water solubility:	(55 - 60°c – paraffin) None		
	Flash point: Flammability/self ignition/ explosionidising properties: Water solubility:	None		
	Flammability/self ignition/ explosions oxidising properties: Water solubility:			
	oxidising properties: Water solubility:	orvo,		
	Water solubility:	None		
	•	Practically insoluble		
	Viscosity: Vapour pressure:	Not applicable – solid block		
		(2×10 ⁻⁶ Pa @20°C – bromadiolone)		
	Partition coefficient: n-octanol/w	vater: (log Kow=7.3 – bromadiolone)		
Stability and reactivity	Preparation is stable and not re	eactive.		
	10.1 Condition to avoid: hi	gh or low temperatures ie below 0°c and above 40°c.		
	10.2 Material to avoid: stro	ong oxidizing materials.		
	10.3 Hazardous decompo	osition products: stable under normal conditions. Combustion or thermal		
	decomposition will produce tox	cic and irritant fumes.		
oxicological information	Inhalation:	Unlikely route of exposure.		
	Ingestion:	LD50 oral (rat), similar product >2000mg/kg. Large quantities would need to		
		be ingested to produce a toxic effect. If sufficient quantities were ingested,		
		nosebleed and bleeding gums may occur. In severe cases there may be		
		numerous blue-black patches on the skin, abdominal pain, bruising,		
	0	haematomas of the joints and blood present in urine and faeces.		
		Unlikely to cause irritation.		
	•	Unlikely to cause eye irritation.		
		None known.		
	•	Chronic akin aynagura may agusa darmatitia		
Ecological information	iong/repeated exposure).	Chronic skin exposure may cause dermatitis.		
ecological illioittiation	For active ingredient:			
	12.1 Ecotoxicity : Fish: LC ₅₀	(96 hours, different species) = $1.4 - 3.5$ mg/L.		
	Avian: LC	₅₀ = 0.264 mg/kg		
	12.2 Mobility : K _{oc} = 528; classification: <u>immobile</u> (Technical report n.14/07/1997 Chemservice)			
	12.3 Persistence and degradability: DT ₅₀ (soil) = 1.8 – 7.4 days			
	12.4 Bioaccumulative poten	ntial: Log Pow: 3.5 (Studio CH-14/96-B Chemservice)		
Disposal considerations	Empty containers:	EWC Waste Code:- 15 01 02. Send to recycling facility if possible.		
	Unused/recovered materials:	EWC Waste Code:- 16 03 06. Non-hazard classified. Treat as controlled		
	0 1 : 1 1005	waste & obtain information from a suitable disposal contractor.		
	Contaminated PPE:	EWC Waste Code:- 15 02 03. Non-hazardous classified. Treat as controlled		
Transport information	Not algorified	waste.		
ransport information		eea or air transport conditions/routes		
Pegulatory information		s been classified in accordance with The Chemicals (Hazard Information and		
Regulatory information	• •	y) Regulations 2002: CHIP 3. These implement the Dangerous Preparations		
		This Safety Data Sheet complies with Annex II of the REACH regulations.		
		,		
	-	nt measures such as the Health and Safety at Work etc Act 1974 and the COSHH		
		· · · · · · · · · · · · · · · · · · ·		
	· ·	tained in this data sheet does not constitute the user's own assessment of		
	workplace risks as re	equired by legislation.		
	 Hazard symbols: - N 	ione		
	 Risk phrases: - None 	9		
		eep out of reach of children. Keep away from food, drink and animal feeding		
		able protective clothing and gloves. If swallowed, seek medical advice		
	•	ow the container label or this data sheet. Avoid release to the environment.		
	Refer to special insti	ow the container label or this data sheet. Avoid release to the environment. ructions/ this safety data sheet. ved under the Control of Pesticides Regulations 1986.		
Di	exicological information cological information isposal considerations ransport information egulatory information	10.3 Hazardous decompodecomposition will produce tox oxicological information Inhalation: Ingestion: Skin contact: Eye contact: Sensitisation effects: Chronic effects (due to long/repeated exposure): cological information For active ingredient: 12.1 Ecotoxicity: Fish: LC50		

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16	Other information	Use only in accordance with label instructions.
	Other information	Operatives using this product should be trained in its use.
		The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations.
		This data sheet does not constitute a COSHH assessment.
		The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature. Incorporates the REACH requirement changes to safety data sheets.

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