COSHH RISK ASSESSMENT

Control of Substances Hazardous to Health Regulations 2002 (as amended)

1. ASSESSMENT DETAILS

Company / Site	Monarch Pest Control Services Ltd.
Assessment reference	COSHH 17
Assessed by	Patrick Condon
Date of assessment	14/10/2026
Review date	(14/10/2027, or sooner if the SDS, label, stewardship conditions or legislation change)
Task / activity	Placing, inspecting, replenishing and removing brodifacoum wax block bait in tamper-resistant bait stations or covered points for rat and mouse control; searching for and disposing of rodent carcasses, professional pest control under the UK rodenticide stewardship regime (CRRU)
Location(s) of use	Client Premises
Frequency / duration of use	As required
Quantity used	As required

2. PRODUCT IDENTIFICATION

Product name	**RASCAL BRODIFACOUM WAX BLOCK BAIT**
UFI / authorisation no.	UFI: 2TT2-00KU-W00J-V0C1 Authorisation: blank in the SDS. 1ENV's product page gives UK-2015-0916-0003; confirm against your pack label.
Supplier	1ENV Solutions Limited, Unit 4 Airbourne Industrial Estate, Arterial Road, Leigh on Sea, Essex SS9 4EX (address as SDS; 1ENV's newer sheets give Aviation Way, Southend SS2 6UN) Tel: +44 (0)1702 617057 (manufacturer understood to be PelGar International Ltd)
Emergency telephone	SDS: +44 (0)1702 617057 (supplier line; no 24 h service stated) Healthcare professionals: NPIS 0344 892 0111 (24 h) General public: NHS 111 (England, Wales, Scotland); Northern Ireland: GP or NHS 111
Identified use	Biocide: ready-to-use anticoagulant rodenticide wax block (PT14), 50 ppm brodifacoum. Professional use only, by users holding CRRU-compliant certification. Follow the label.
Active substances	Brodifacoum (CAS 56073-10-0) 0.005 % w/w (50 ppm) per section 1; section 15 says 0.01 % (check the pack label)
SDS reference	1ENV SDS ref. 000207, Version 1.0, issued 10/11/2022, GB-en, to REACH as retained in UK law (classification still cites EC 1272/2008)
Physical form	Blue or red wax block (wheat flour, chopped wheat, cereals bound with edible waxes), slight odour. Softens above 50 °C, fuses at about 70 °C. Non-flammable.

3. HAZARD CLASSIFICATION & LABEL ELEMENTS



GHS07
Exclamation mark



GHS08
Health hazard

Signal word	DANGER
Classification (CLP)	Skin Sens. 1 H317 | Repr. 1A H360D | STOT RE 2 H373 (not classified for physical or environmental hazards)
Hazard statements	H317 May cause an allergic skin reaction. H360D May damage the unborn child. H373 May cause damage to organs (blood) through prolonged or repeated exposure (if swallowed).
Contains	Brodifacoum; 1,2-benzisothiazolin-3-one (BIT); 2-octyl-2H-isothiazol-3-one (OIT)
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of water. P308+P313 IF exposed or concerned: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P321 Specific treatment (see ANTIDOTE on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up. P404 Store in a closed container. P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Other hazards	Anticoagulant: toxic to mammals and birds if eaten; harmful to wildlife, with risk of secondary poisoning. No PBT/vPvB substances ≥ 0.1 %. Gloves required for professional users. Keep away from food, drink and animal feed.

4. HAZARDOUS INGREDIENTS

Substance	CAS / EC	Conc. %	Classification
Brodifacoum	56073-10-0 259-980-5	0.005 (listed '< 1')	Acute Tox. 1 H300, H310, H330; Repr. 1A H360D; STOT RE 1 H372; Aquatic Acute 1 H400 (M=10); Aquatic Chronic 1 H410 (M=10). SCL: STOT RE 2 0.002–< 0.02 %, Repr. 1A ≥ 0.003 %
2-Octyl-2H-isothiazol-3-one (OIT, preservative)	26530-20-1 247-761-7	< 1	Acute Tox. 3 H301, H311; Acute Tox. 2 H330; Skin Corr. 1 H314; Eye Dam. 1 H318; Skin Sens. 1A H317 (SCL ≥ 0.0015 %); Aquatic Acute 1 H400 (M=10); Aquatic Chronic 1 H410 (M=10); EUH071
1,2-Benzisothiazolin-3-one (BIT, preservative)	2634-33-5 220-120-9	< 1	Acute Tox. 4 H302; Skin Irrit. 2 H315; Eye Dam. 1 H318; Skin Sens. 1 H317 (SCL ≥ 0.05 %); Aquatic Acute 1 H400; Aquatic Chronic 1 H410
Propylene glycol	57-55-6	1 – < 5	Not classified; has an EH40 WEL

	200-338-0		

5. WORKPLACE EXPOSURE LIMITS (EH40)		
Substance	**Limit**	**Basis**
Propane-1,2-diol (propylene glycol)	150 ppm / 474 mg/m³ total vapour and particulates; 10 mg/m³ particulates (8-hr TWA)	EH40/2005 (in SDS)
Flour dust	10 mg/m³ 8-hr TWA; 30 mg/m³ STEL (asthmagen)	EH40/2005 (added; not in SDS). Bound in wax, so not expected
Brodifacoum	None assigned	–

6. ROUTES OF EXPOSURE & HEALTH EFFECTS		
Route	**Likelihood**	**Effects (from SDS)**
Inhalation	☒ Low ☐ Med ☐ High	Unlikely (solid wax block).
Skin contact	☐ Low ☒ Med ☐ High	Handling blocks. May cause an allergic skin reaction (H317, from isothiazolinone preservatives).
Eye contact	☒ Low ☐ Med ☐ High	May cause eye irritation. Rinse with water; remove contact lenses.
Ingestion	☐ Low ☒ Med ☐ High	Main hazard (hand-to-mouth, or children/pets eating bait). Anticoagulant: delayed nosebleed, bleeding gums; in severe cases bruising and blood in faeces or urine. Repeated exposure may damage the blood (H373) and the unborn child (H360D). Antidote: Vitamin K1.
Environment	☐ Low ☒ Med ☐ High	Product not classified for the aquatic environment, but brodifacoum is very toxic to fish (LC50 0.042 mg/l) and not rapidly degradable. Harmful to wildlife; secondary poisoning of predators.

7. PERSONS AT RISK		
Group	**At risk?**	**Notes**
Pest control operatives	☒ Yes ☐ No	Skin contact and hand-to-mouth transfer when handling blocks and carcasses
Other employees / staff on site	☒ Yes ☐ No	Inform staff of bait point locations; do not disturb stations
Public / customers / occupants	☒ Yes ☐ No	Secured tamper-resistant stations; warning labels; bait not accessible
Children & pets, livestock, wildlife	☒ Yes ☐ No	High risk if eaten: dogs, cats, birds, non-target small mammals; secondary poisoning of predators
New / expectant mothers, young persons	☒ Yes ☐ No	Repr. 1A H360D: pregnant workers should not handle this product; individual risk assessment (MHSW Regs 1999, reg. 16)

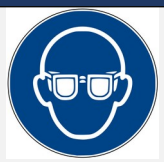
8. CONTROL MEASURES	
Elimination / substitution	Follow the CRRU Code of Best Practice and environmental risk assessment: proofing, hygiene and traps first. Consider a less potent active where resistance status and site allow. Avoid permanent baiting unless justified.
Engineering controls	Use secured, tamper-resistant bait stations or covered points fixed in place, labelled 'Do not move or open', 'Contains a rodenticide', product name or authorisation number, active substance, and 'In case of incident call a poison centre – UK: 111'. Fix blocks on rods or wires so

	rodents cannot carry them off.
Safe handling	Wear gloves to handle blocks. Avoid contact with skin and eyes. Use the minimum bait needed, inspect at the label's intervals, search for and remove carcasses, and remove all bait at the end of treatment. Keep bait records and a site plan.
Hygiene	Do not eat, drink or smoke while working. Always wash hands after handling. Contaminated work clothing must not leave the workplace; wash before reuse.
Storage	Locked, cool, well-ventilated store away from heat (wax softens above 50 °C), in the original closed container, away from food and drink, out of reach of children and animals.
Training / information	Operatives hold CRRU-compliant certification (e.g. RSPH/BPCA Level 2 Award in Pest Management or equivalent) and are briefed on this assessment, the label and the SDS.

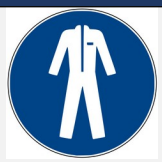
9. PERSONAL PROTECTIVE EQUIPMENT



Protective gloves



Safety glasses



Protective clothing

PPE	Requirement (from SDS)	Standard / notes
Hand	Protective gloves (required for professional users)	EN ISO 374 chemical-resistant (e.g. nitrile). Also for carcasses; essential given H317
Eye / face	Safety glasses	EN 166
Body	Suitable protective clothing	Contaminated workwear stays on site (P272)
Respiratory	Only in case of insufficient ventilation	Not required for wax blocks

10. FIRST AID

General	Seek medical attention immediately. Brodifacoum is an indirect anticoagulant; symptoms (bleeding, bruising) may be delayed.
Inhalation	Unlikely. Get medical advice if you feel unwell.
Skin contact	Wash with plenty of water. Take off contaminated clothing and wash before reuse. If irritation or rash occurs, get medical advice.
Eye contact	Rinse with water. Remove contact lenses if easy to do; continue rinsing. Get advice if irritation persists.
Ingestion	Do NOT induce vomiting. Immediately call NHS 111 or a doctor (NPIS for clinicians) and show the label.
Note for doctors	Vitamin K1 (phytomenadione) is antidotal. Check prothrombin time no sooner than 18 hours after ingestion; if raised, give Vitamin K1 until normal, and keep checking for two weeks after stopping the antidote.

11. SPILLAGE, FIRE & DISPOSAL

Accidental release	Wear gloves and protective clothing. Ventilate the area. Shovel into a dry container and cover without compressing. Keep away from non-target animals, drains and watercourses.
Spill kit location	
Fire	Dry chemical powder, alcohol-resistant foam, CO2 or water fog; not a water jet. Contain run-off. Self-contained breathing apparatus and full protective clothing.

Waste disposal	Uneaten bait, contaminated packaging and rodent carcasses via a licensed hazardous-waste contractor (EWC 20 01 19* pesticides, per SDS).
Transport	Not classified for transport (ADR, IMDG, IATA). No transport warning sign required. Carry in a secure, lockable compartment separate from the cab.

12. SIGN-OFF			
Role	**Name**	**Signature**	**Date**
Assessor	Patrick Condon	Patrick Condon	19th October 2026
Manager / approver	George McConville	George McConville	19th October 2026

Source: 1ENV Solutions Rascal Brodifacoum Wax Block Bait Safety Data Sheet ref. 000207, Version 1.0 (10/11/2022). Read alongside the current SDS, product label and CRRU UK Code of Best Practice, and review for site-specific conditions.