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 16
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 paste sachets 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 PASTA BAIT**
UFI / authorisation no.	UFI: QX30-50EH-R00E-U8CE Authorisation: blank in the SDS. 1ENV's product page gives UK-2015-0917-0003; confirm against your pack label.
Supplier	1ENV Solutions Limited, Aviation Way, Southend On Sea, Essex 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 paste (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. 000002, Version 1.0, GB-en, to UK REACH and GB CLP. No issue or revision date printed (online copy indexed July 2024)
Physical form	Red solid paste in sachets (wheat flour, lard, chopped wheat), slight odour. Not flammable or explosive.

3. HAZARD CLASSIFICATION & LABEL ELEMENTS



GHS08
Health hazard

Signal word	DANGER
Classification (GB CLP)	Repr. 1A H360D | STOT RE 2 H373 (not classified for

	physical or environmental hazards)
Hazard statements	H360D May damage the unborn child. H373 May cause damage to organs (blood) through prolonged or repeated exposure.
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. P308+P313 IF exposed or concerned: Get medical advice or attention. P314 Get medical advice or attention if you feel unwell. P321 Specific treatment (see supplemental first aid instruction on this label). P404 Store in a closed container. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations.
Other hazards	Anticoagulant: toxic to mammals and birds if eaten; harmful to wildlife, with risk of secondary poisoning. No PBT/vPvB or endocrine-disrupting components. Restricted to professional users.

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 %
Diethanolamine	111-42-2 203-868-0	< 1	Acute Tox. 4 H302; Skin Irrit. 2 H315; Eye Dam. 1 H318; STOT RE 2 H373
Denatonium benzoate (bittering agent)	3734-33-6 223-095-2	< 1	Acute Tox. 4 H302 (ATE 584 mg/kg)
Propylene glycol	57-55-6 200-338-0	1 – < 5	Not classified; has an EH40 WEL

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 paste, so not expected
Brodifacoum	None assigned	–

6. ROUTES OF EXPOSURE & HEALTH EFFECTS

Route	Likelihood	Effects (from SDS)
Inhalation	☒ Low ☐ Med ☐ High	Unlikely (paste).
Skin contact	☐ Low ☒ Med ☐ High	Handling sachets. Not classified as irritant or sensitiser, though section 4.2 says it may cause an allergic skin reaction.
Eye contact	☒ Low ☐ Med ☐ High	May cause eye irritation. Rinse for at least 10 minutes.

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.

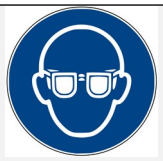
7. PERSONS AT RISK

Group	At risk?	Notes
Pest control operatives	☒ Yes ☐ No	Skin contact and hand-to-mouth transfer when handling sachets 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 sachets so rodents cannot carry them off.
Safe handling	Wear gloves; do not open sachets. 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, 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	EN ISO 374 chemical-resistant (e.g. nitrile), per the product label. Also for carcasses
Eye / face	Safety glasses	EN 166
Body	Suitable protective clothing	Contaminated workwear stays on site (P272)
Respiratory	Only in case of insufficient ventilation	Not expected for paste sachets

10. FIRST AID	
General	Contains an anticoagulant; symptoms may be delayed. Seek medical attention immediately. Antidote Vitamin K1, given by medical or veterinary staff only.
Inhalation	Unlikely. Get medical advice if you feel unwell.
Skin contact	Wash skin with plenty of water, then with soap and water.
Eye contact	Rinse with eyewash or water, holding eyelids open, for at least 10 minutes.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice immediately (NHS 111 / A&E) and show the container or label.
Note for doctors	Vitamin K1 (phytomenadione) is antidotal. Monitor clotting time (INR); seek NPIS advice. SDS section 4.3 says only 'treat symptomatically'.

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, per the collector's sorting instructions.
Transport	Not regulated for transport (ADR, RID, ADN, 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 Pasta Bait Safety Data Sheet ref. 000002, Version 1.0 (undated, GB). Read alongside the current SDS, product label and CRRU UK Code of Best Practice, and review for site-specific conditions.