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 13
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	**ERATICATE BRODIFACOUM BLOCK BAIT**
UFI / authorisation no.	Not stated in the SDS. Rat Pak's product page gives UK-2015-0896-005; confirm against your pack label. No UFI stated.
Supplier	Rat Pak Ltd, Moor Lane, Thorpe on the Hill, Lincoln LN6 9BW Tel: 01522 686070 | Howard@ratpak.co.uk
Emergency telephone	SDS: 01522 686070 (supplier office 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 Animals: tell the vet the product contains brodifacoum (Vitamin K1 antidote)
Identified use	Biocide: ready-to-use anticoagulant rodenticide (PT14). 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); bittering agent denatonium benzoate 0.001 %
SDS reference	Rat Pak SDS no. 21725, Revision 5, 14/05/2018 (supersedes 28/11/2017), to Regulation (EU) 2015/830
Physical form	Red or blue wax block, slight odour. Wax melts approx. 60 °C. Combustible. Immiscible with water. Not explosive or oxidising.

3. HAZARD CLASSIFICATION & LABEL ELEMENTS



GHS08
Health hazard

Signal word	DANGER
Classification (CLP, EC 1272/2008)	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.
Supplementary statements	EUH208 Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
Precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves. P308+P313 IF exposed or concerned: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations.
Other hazards	Anticoagulant: toxic to mammals (including pets and livestock) and birds if eaten, with risk of secondary poisoning of predators and scavengers. SDS section 2.3 is blank.

4. HAZARDOUS INGREDIENTS

Substance	CAS / EC	Conc. %	Classification
Brodifacoum	56073-10-0 259-980-5	0.005	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)
1,2-Benzisothiazolin-3-one (BIT, preservative)	2634-33-5 220-120-9	0.02	Skin Irrit. 2 H315; Eye Dam. 1 H318; Skin Sens. 1 H317; Aquatic Chronic 2 H411
Denatonium benzoate (bittering agent)	3734-33-6 223-095-2	0.001	Acute Tox. 4 H332; Skin Irrit. 2 H315; Eye Dam. 1 H318; Aquatic Chronic 3 H412
2,2'-Iminodiethanol	111-42-2 203-868-0	< 0.1	Acute Tox. 4 H302; Skin Irrit. 2 H315; Eye Dam. 1 H318; STOT RE 2 H373; Aquatic Chronic 3 H412
Ethyl vanillin	121-32-4 204-464-7	< 0.1	Eye Irrit. 2 H319

5. WORKPLACE EXPOSURE LIMITS (EH40)

Substance	Limit	Basis
Paraffin wax fume	2 mg/m³ 8-hr TWA; 6 mg/m³ 15-min STEL	EH40/2005 (listed in SDS)
Sucrose	10 mg/m³ 8-hr TWA; 20 mg/m³ 15-min STEL	EH40/2005 (listed in SDS)
Propane-1,2-diol	150 ppm / 474 mg/m³ (vapour + particulates); 10 mg/m³ (particulates) 8-hr TWA	EH40/2005 (listed in SDS)
Brodifacoum	None assigned	–

6. ROUTES OF EXPOSURE & HEALTH EFFECTS

Route	Likelihood	Effects (from SDS)
Inhalation	☒ Low ☐ Med ☐ High	Unlikely due to physical form (wax block). LC50 > 5 mg/l (dust).
Skin contact	☐ Low ☒ Med ☐ High	Handling blocks. May irritate susceptible people; prolonged contact may dry the skin. BIT may

		cause an allergic reaction. LD50 dermal > 2000 mg/kg.
Eye contact	☒ Low ☐ Med ☐ High	May cause irritation to susceptible people.
Ingestion	☐ Low ☒ Med ☐ High	Main hazard (hand-to-mouth, or children/pets eating bait). Anticoagulant: delayed bleeding, bruising, blood in urine or stools, nosebleeds, appearing days after exposure. Repeated exposure may damage the blood (H373) and the unborn child (H360D). Antidote: Vitamin K1 (phytomenadione).
Environment	☐ Low ☒ Med ☐ High	Brodifacoum: trout LC50 0.042 mg/l, Daphnia EC50 0.25 mg/l. Persistent; secondary poisoning of birds of prey and other predators that eat poisoned rodents.

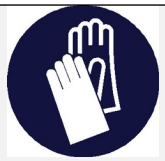
7. PERSONS AT RISK

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 notices; 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; carry out an 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 or non-toxic monitoring bait where infestation and site allow. Avoid permanent baiting unless justified.
Engineering controls	Use secured, tamper-resistant bait stations or covered points fixed in place; label stations with warnings. Fix blocks on rods or wires so rodents cannot carry them off.
Safe handling	Wear gloves to handle blocks. 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 of bait points.
Hygiene	Do not eat, drink or smoke while working. Wash hands and exposed skin with soap and water before breaks, before using the toilet and at end of shift. Store work clothing separately.
Storage	Locked, dry, cool store in the original container, away from food, feed, heat and oxidising agents, 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

 Chemical-resistant gloves	 Closed work clothing

PPE	Requirement (from SDS)	Standard / notes
Hand	Suitable chemical-resistant gloves for professional users	EN ISO 374 (e.g. nitrile). Also for handling carcasses
Eye / face	No specific eye protection required in normal use	EN 166 safety glasses if splash or debris risk during clean-up
Body	Closed work clothing; apron, boots or suit depending on activity	Wash work clothing separately
Respiratory	No specific recommendations	Not required for wax blocks

10. FIRST AID	
General	Seek medical advice immediately if you feel unwell and show the label. Brodifacoum is an indirect anticoagulant; symptoms may be delayed by several days.
Inhalation	Unlikely. Move to fresh air; get medical attention if symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Get medical attention if irritation is severe or persists.
Eye contact	Rinse immediately with plenty of water and seek medical advice.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical attention immediately (NHS 111 / A&E) 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 monitoring for two weeks after stopping the antidote.

11. SPILLAGE, FIRE & DISPOSAL	
Accidental release	Wear gloves. Sweep or pick up blocks, place in a suitable sealed waste container, wash the area and wash hands afterwards. Prevent bait reaching drains and watercourses or being taken by non-target animals.
Spill kit location	
Fire	Combustible. Use alcohol-resistant foam, CO2, dry powder or water fog; not a water jet. Harmful gases or vapours may be released. SCBA and EN 469 clothing for firefighters.
Waste disposal	Uneaten bait, contaminated packaging (unless fully cleaned) and rodent carcasses: dispose of as hazardous waste via a licensed contractor (EWC 20 01 19 pesticides, per SDS). Do not put in general waste or drains.
Transport	Not classified as dangerous goods for road, rail, sea or air (ADR/RID, 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: Rat Pak Ltd Eraticate Brodifacoum Block Bait Safety Data Sheet no. 21725, Revision 5 (14/05/2018). Read alongside the current SDS, product label and CRRU UK Code of Best Practice, and review for site-specific conditions.