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 08
Assessed by	Patrick Condon
Date of assessment	13/10/2026
Review date	(13/10/2027, or sooner if the SDS, process or legislation changes)
Task / activity	Dilution and spray application of insecticide concentrate against crawling and flying insects (professional pest control)
Location(s) of use	Client Premises
Frequency / duration of use	As required
Quantity used / dilution rate	As required

2. PRODUCT IDENTIFICATION

Product name	**ECOREX ACTION PLUS**
National authorisation no.	10358
Supplier	Mylva, S.A., Via Augusta, 48, 6º 2ª, 08006 Barcelona, Spain Tel: +34 934153226 | Fax: +34 934156344 | mylva@mylva.eu
Emergency telephone	+34 934153226 (office hours only, Mon–Fri 08:00–16:00) UK: NHS 111 | Healthcare professionals: NPIS 0344 892 0111 Ireland poison centre: 01 809 2166
Identified use	Insecticides, acaricides and products to control other arthropods (PT18): crawling and flying insects.
Uses advised against	Do not mix with other chemical products. Uses other than those recommended.
Active substances	Permethrin (CAS 52645-53-1) 15 % Piperonyl butoxide (CAS 51-03-6) 5 % Tetramethrin (CAS 7696-12-0) 1 %
SDS reference	Version 2 (replaces version 1), revised 25/05/2022. Regulation (EU) 2020/878
Physical form	White liquid, characteristic odour. Flash point > 65 °C. pH 4–7. Relative density 1.01–1.05. Freezing point < 0 °C.

3. HAZARD CLASSIFICATION & LABEL ELEMENTS



GHS07
Skin sensitiser



GHS08
Health hazard



GHS09
Environment

Signal word	WARNING
Classification (CLP, EC 1272/2008)	Skin Sens. 1 (H317) | Carc. 2 (H351) | Aquatic Acute 1 (H400) | Aquatic Chronic 1 (H410)
Hazard statements	H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P391 Collect spillage. P501 Dispose of contents/container in accordance with local/national regulations.
Contains	Tetramethrin, permethrin
Other hazards	No PBT, vPvB or endocrine-disrupting substances.

4. HAZARDOUS INGREDIENTS

Substance	CAS / EC	Conc. %	Classification
Permethrin	52645-53-1 258-067-9	12.75–17.25	Acute Tox. 4, H332; Acute Tox. 4, H302; Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=1000); Skin Sens. 1, H317
Piperonyl butoxide	51-03-6 200-076-7	4.25–5.75	Aquatic Acute 1, H400; Aquatic Chronic 1, H410
Tetramethrin	7696-12-0 231-711-6	0.85–1.15	Acute Tox. 4, H302; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Carc. 2, H351; STOT SE 2, H371

5. WORKPLACE EXPOSURE LIMITS (EH40)

Substance	Limit	Value
All components	WEL (EH40)	None assigned (SDS 8.1)
Piperonyl butoxide	DNEL inhalation, chronic, local (workers)	0.222 mg/m³
Piperonyl butoxide	DNEL inhalation, chronic, systemic (workers)	3.875 mg/m³

6. ROUTES OF EXPOSURE & HEALTH EFFECTS

Route	Effects (from SDS)
Inhalation (spray mist)	Avoid breathing spray (P261). Long-term chronic exposure may injure certain organs or tissues.
Skin contact	May cause an allergic reaction, dermatitis, redness or inflammation of the skin.
Eye contact	Not classified; splashes may irritate.
Ingestion	Not classified for acute toxicity (ATE oral stated as 3.125 mg/kg; likely 3,125 mg/kg). Do not induce vomiting.
Long-term	Suspected of causing cancer (tetramethrin, Carc. 2).
Environment	Very toxic to aquatic life with long lasting effects. PBO bioaccumulation potential high (log Pow 4.75). WGK 3.

7. PERSONS AT RISK

Group	At risk?	Notes
Pest control operatives	☒ Yes ☐ No	Mixing, dilution and spraying
Other employees / staff on site	☒ Yes ☐ No	Exclude from treated area until dry and ventilated
Public / customers / occupants	☒ Yes ☐ No	Exclude during treatment
Children & pets (incl. fish tanks)	☒ Yes ☐ No	Remove pets; cover or remove aquaria; permethrin is highly toxic to cats
New / expectant mothers, young persons	☐ Yes ☐ No	Suspected carcinogen: individual assessment

8. CONTROL MEASURES

Elimination / substitution	Consider non-chemical control or a product without a Carc. 2 classification first.
Engineering controls	Provide adequate ventilation, with good local and general exhaust ventilation.
Safe handling	Do not mix with other chemical products. Never use pressure to empty containers (not pressure-resistant). Keep in containers of the same material as the original. No smoking, eating or drinking in the application area.
Hygiene	Wash hands after use. Contaminated work clothing must not leave the workplace (P272); launder before reuse.
Storage	Store between 5 and 45 °C, dry and well-ventilated, away from heat, direct sunlight and ignition sources. Keep away from oxidisers and strongly acidic or alkaline materials (unstable with bases). Reclose opened containers and keep upright. Prevent access by unauthorised persons.
Training / information	Operatives trained in biocide use (e.g. RSPH/BPCA level 2) and briefed on this assessment, the label and the SDS.

9. PERSONAL PROTECTIVE EQUIPMENT

 Chemical gloves	 Eye protection (when spraying)	 Respiratory protection (if ventilation poor)

PPE	Requirement (from SDS)	Standard / notes
Hand	Chemical protective gloves, CE cat. III. PVC, breakthrough > 480 min, 0.35 mm thick	EN 374-1/2/3, EN 420
Body	Chemical protective clothing, CE cat. III	EN 340, EN 464, EN 943-1/2, EN 13034
Eye	Not required if handled correctly (SDS)	Goggles EN 166 advised when spraying overhead
Respiratory	Not required if technical measures observed (SDS)	A2P2 combination filter (EN 14387) advised in confined or poorly ventilated spaces

10. FIRST AID	
General	If in doubt or symptoms persist, get medical attention. Never give anything by mouth to an unconscious person; place on left side while awaiting help.
Inhalation	Move to open air, keep warm and calm. If breathing is irregular or stops, give artificial respiration.
Skin contact	Remove contaminated clothing. Wash skin vigorously with soap and water or a suitable skin cleaner. NEVER use solvents or thinners.
Eye contact	Remove contact lenses if easy. Wash eyes with plenty of clean, cool water for at least 10 minutes, holding eyelids open. Seek medical assistance.
Ingestion	Seek immediate medical attention. Keep calm. NEVER induce vomiting.

11. SPILLAGE, FIRE & DISPOSAL	
Accidental release	Wear PPE (section 9). Contain and collect with inert absorbent (earth, sand, vermiculite, kieselguhr) and decontaminate the area immediately. Place waste in closed, suitable containers. Prevent entry to drains, surface or ground water and soil; notify authorities for large spills or contamination of waterways.
Fire	No particular fire risk. Use dry powder or CO2; for larger fires, alcohol-resistant foam or water spray. Do not use a direct water jet; no water or foam near live electrical equipment. Combustion products may be harmful. Keep firewater out of drains.
Waste disposal	Do not discharge to sewers or waterways. Dispose of waste and empty containers as hazardous waste via a licensed contractor (Directive 2008/98/EC).

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: Mylva ECOREX ACTION PLUS Safety Data Sheet, Version 2 (25/05/2022). Read alongside the current SDS and product label, and review for site-specific conditions.