

COSHH Risk Assessment – Ecorex Action Plus

1. Substance Information

Product Name: Ecorex Action Plus

Type: Ready-to-use insecticidal aerosol for crawling and flying insects

Active Ingredients:

- **Permethrin** (15%)
- **Piperonyl Butoxide** (5%)
- **Tetramethrin** (1%)
- **Supplier:** Mylva S.A., Via Augusta 48, Barcelona, Spain
- **Emergency Telephone:** +34 934 153 226 (Mon–Fri, 08:00–16:00)
- **NHS (UK):** Call 111 for medical advice

2. Intended Use

Used by professional pest controllers for control of crawling and flying insects in domestic, commercial, and industrial premises. Apply as a space or surface spray following label directions. Do not use in food preparation or storage areas when food is exposed.

3. Hazard Identification

Classification (CLP):

- H317 – May cause an allergic skin reaction
- H351 – Suspected of causing cancer
- H410 – Very toxic to aquatic life with long-lasting effects

Signal Word: *Warning*

Pictograms: GHS07 (exclamation mark), GHS09 (environment)

Main Risks:

- Possible carcinogenic and skin sensitisation hazard.
- Environmental hazard if released into drains or surface water.

4. Routes of Exposure

- Inhalation of mist, aerosol, or vapour during application
- Skin contact with spray or treated surfaces
- Eye contact with aerosol droplets or splash
- Accidental ingestion (poor hygiene after handling)

5. Control Measures (HSE / BPCA Hierarchy)

Elimination/Substitution: No safer equivalent for required efficacy.

Engineering Controls:

- Apply only in ventilated areas or outdoors.
- Avoid electrical ignition sources (product has flammable propellants).

Administrative Controls:

- Restrict access during and immediately after treatment.
- Display warning signage until surfaces are dry and air is cleared (minimum 1 hour).
- Record treatment, exclusion times, and PPE in site log.

Personal Protective Equipment (PPE):

- Type 5/6 disposable coveralls
- Nitrile gloves (EN 374)
- Safety goggles or face shield (EN 166)

- Half-mask respirator with A2P3 filter (EN 14387)
- Safety footwear

6. First Aid Measures

- **Inhalation:** Move to fresh air, keep warm and at rest. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with clean water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth, do not induce vomiting. Obtain medical attention immediately.
- **Medical Advice:** Treat symptomatically. Observe for delayed effects on nervous system or skin sensitisation.

7. Spillage & Emergency Procedures

- Ventilate area. Avoid ignition sources.
- Absorb small spills with sand or earth and place into labelled waste containers.
- Prevent entry to drains or watercourses.
- For fires: use foam, dry powder, or CO₂ – *do not use water jet.*

8. Storage & Handling

- Store in a cool, dry, well-ventilated area between 5–45°C.
- Keep away from heat and direct sunlight.
- Do not puncture or incinerate containers.
- Store locked and out of reach of unauthorised persons.

9. Environmental Protection

- Highly toxic to aquatic life – prevent release to drains, soil, or water.
- Collect washings and dispose of via licensed hazardous waste contractor.
- Follow BPCA environmental management code for insecticide applications.

10. Disposal

Triple-rinse any used equipment. Dispose of containers as hazardous waste via licensed contractor (EWC 20 01 19*). Do not reuse or burn containers.

11. Exposure Monitoring / Health Surveillance

- Not anticipated under normal use, but monitor for skin sensitisation or respiratory irritation.
- Retain COSHH records for 5 years minimum.

12. Assessment Review & Sign-Off

Technician: Andy Wood **Date:** October 2025 **Next Review:** October 2026