

COSHH Risk Assessment – Bayer Flying Insect Killer

1. Substance Information

Product Name: Bayer Flying Insect Killer

Type: Aerosol insecticide for flying and crawling insects

Active Ingredients:

- d-Tetramethrin < 0.5%
- 1R-trans-Phenothrin < 0.5%
- Hydrocarbons, C12–C16, isoalkanes, cyclic (<2% aromatics)
- Butane, Propane, Isobutane (propellants)

Supplier: Bayer Environmental Science, Cambridge Science Park, Milton Road, Cambridge, CB4 0WB

Emergency Contact: +44 (0)800 1020 3333 (24 h)

2. Intended Use

Used by professional pest control technicians for the rapid knockdown and control of flying and crawling insects in domestic, commercial, and industrial environments.

Apply by short bursts into air or directly onto surfaces. Use only in well-ventilated areas and follow label instructions.

3. Hazard Identification

Classification (CLP):

- H222 – Extremely flammable aerosol
- H229 – Pressurised container: may burst if heated
- H400 / H410 – Very toxic to aquatic life with long-lasting effects
- EUH066 – Repeated exposure may cause skin dryness or cracking
- EUH401 – To avoid risks to human health and the environment, comply with the instructions for use

Signal Word: Danger

Pictograms: GHS02 (Flame), GHS09 (Environment)

4. Routes of Exposure

- Inhalation of vapours or aerosol mist
- Skin contact during spraying or cleaning
- Eye contact with aerosol spray
- Accidental ingestion from contaminated hands

5. Control Measures (BPCA / HSE Hierarchy)

Elimination/Substitution: No less hazardous equivalent of same efficacy.

Engineering Controls:

- Ensure good ventilation during application.
- Avoid spraying near electrical sources or open flames.

Administrative Controls:

- Exclude people, pets, and food from treated areas until air has cleared (minimum 1 hour).
- Record treatment details and PPE used.

Personal Protective Equipment:

- Type 5/6 disposable coveralls
- Nitrile gloves (EN 374)
- Safety goggles or face shield (EN 166)
- Half-mask respirator with A2P3 filter (EN 14387)

6. First Aid Measures

- **Inhalation:** Move to fresh air, keep warm and at rest. Seek medical attention if symptoms persist.
- **Skin:** Wash thoroughly with soap and water. Apply moisturiser if irritation occurs.
- **Eyes:** Rinse with clean water for 15 minutes. Seek medical advice if irritation persists.
- **Ingestion:** Do not induce vomiting. Rinse mouth and seek immediate medical advice.

Medical Advice: Contains petroleum distillates and pyrethroids; aspiration may cause pulmonary complications. Treat symptomatically.

7. Spillage & Emergency Procedures

- Ventilate area and remove all ignition sources.
 - Absorb spilled liquid with sand or inert absorbent.
 - Prevent entry into drains or watercourses.
 - For fire: use foam, CO₂, or dry powder extinguisher – *do not use water jet*.
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8. Storage & Handling

- Store upright in a cool, dry, well-ventilated area away from direct sunlight and heat (>50°C).
 - Do not puncture or incinerate containers.
 - Store separately from food, drink, and animal feed.
 - Keep out of reach of unauthorised persons and children.
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9. Environmental Protection

- Very toxic to aquatic life – avoid contamination of drains, soil, and water.
 - Collect waste and dispose of via licensed hazardous-waste contractor.
 - Do not apply in or near watercourses.
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10. Disposal

Ensure aerosol is fully discharged before disposal.

Dispose of containers via licensed waste contractor (EWC 16 05 04* – gases in pressure containers).

Do not pierce or burn, even when empty.

11. Health Surveillance

Monitor for skin irritation or respiratory discomfort from solvent exposure.

Maintain COSHH records for 5 years minimum.

12. Assessment Review & Sign-Off

Technician: Andy Wood

Date: October 2025

Next Review Date: October 2026