

COSHH Risk Assessment – Permost CS

Substance information Product Name: Permost CS Type: Residual micro-encapsulated insecticide (suspension concentrate) Active Ingredient: Permethrin (25:75 cis:trans) 10–25 % w/w Supplier: Hockley International Ltd, Manchester M22 5LB Emergency Number: +44 (0)800 246 1274 (24 h)

1 Intended Use

Professional use for control of crawling and flying insects on internal and external surfaces in domestic, commercial and industrial premises. Applied by hand-held compression or trigger sprayer to harbourages, cracks, crevices and surfaces where insects rest or travel. Use restricted to trained and competent pest-control technicians.

2 Hazard Identification

- H317 – May cause an allergic skin reaction
- H400 / H410 – Very toxic to aquatic life with long lasting effects Signal Word: Warning Pictogram: GHS07 (exclamation mark), GHS09 (environment)

3 Routes of Exposure

- Skin contact during mixing or application
- Eye contact via splashes or aerosols
- Inhalation of fine mist in poor ventilation
- Accidental ingestion from contaminated hands or containers

4 Control Measures (Hierarchy of Control)

Eliminate/Substitute: No safer alternative of equal efficacy currently available. Engineering Controls: Ensure good ventilation or work outdoors where possible. Apply only using professional equipment maintained to manufacturer specification. Administrative Controls: Restrict access to treatment area until spray is dry and air cleared (≥1 hour minimum). Record application in site log with exclusion times. Personal Protective Equipment (see BPCA Tech Doc COSHH v4.1):

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

5 First Aid Measures

- Inhalation: Move to fresh air. Seek medical attention if symptoms persist.
- Skin Contact: Wash immediately with soap and water. Remove contaminated clothing. If rash develops, seek medical advice.
- Eye Contact: Rinse for ≥15 minutes with clean water. Remove contact lenses if present.
- Ingestion: Rinse mouth. Do not induce vomiting. Obtain medical advice immediately.

6 Spillage & Emergency Procedures

Contain with sand or absorbent material. Avoid run-off to drains or watercourses. Collect into labelled hazardous-waste container for licensed disposal. Wash contaminated surfaces with detergent solution. For fire, use foam, CO₂ or dry powder — do not use water jet.

7 Storage & Handling

Keep in original tightly closed container in a cool, dry and well-ventilated area below 30 °C. Store away from food, feed and animal housing. Keep locked and out of reach of unauthorised persons. Follow BPCA Code of Best Practice for pesticide storage.

8 Environmental Protection

Highly toxic to aquatic life. Prevent release to drains or surface water. Do not apply directly to watercourses or areas where run-off is likely. Collect washings and dispose of via licensed hazardous-waste route only.

9 Disposal Considerations

Rinse containers three times and add rinsings to spray tank. Dispose of empties through a licensed waste contractor — do not reuse or burn containers. Dispose of surplus solution in accordance with The Environmental Protection (Disposal of Hazardous Waste) Regulations 2021.

10 Exposure Monitoring / Health Surveillance

- Not classified as respiratory sensitiser, but monitor any dermal sensitisation issues.
- Maintain COSHH records for 5 years (minimum) in line with HSE L5 guidance.

11 Assessment Review and Sign-Off

Technician Name: Andy Wood

Date: October 2025

Signature: _____ Supervisor

Review: _____

Next Review Date: October 2026