

COSHH Risk Assessment – Perbio Choc RTU

1. Substance Information

Product Name: Perbio Choc RTU

Type: Ready-to-use residual insecticide (liquid formulation)

Active Ingredients:

- Hydrocarbons, C11–C14, n-alkanes, isoalkanes, cyclic (<2% aromatics) – $\geq 90\%$
- Piperonyl Butoxide – 40 g/L
- Tetramethrin – 5 g/L
- Permethrin – 5 g/L

Supplier: LODI UK Ltd, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7FD

Emergency Contact: National Poisons Information Service (NPIS) – 0344 892 0111

2. Intended Use

Professional-use insecticide for rapid knock-down and residual control of crawling and flying insects in domestic, commercial, and industrial premises.

Applied as a surface spray to harbourages, cracks, and crevices with hand sprayer.

For trained pest-control technicians only. Do not apply directly to food, feed, or food-handling surfaces.

3. Hazard Identification

Classification (CLP):

- H304 – May be fatal if swallowed and enters airways
- H317 – May cause an allergic skin reaction
- H400/H410 – Very toxic to aquatic life with long-lasting effects

Signal Word: Danger

Pictograms: GHS07, GHS08, GHS09

4. Routes of Exposure

- Inhalation of vapour or mist during spraying
- Skin contact with liquid concentrate or treated surfaces
- Eye contact with splashes or aerosols
- Accidental ingestion from contaminated hands

5. Control Measures (BPCA / HSE Hierarchy)

Elimination/Substitution: No safer equivalent providing same efficacy.

Engineering Controls: Apply only in well-ventilated areas; avoid ignition sources (product contains hydrocarbons).

Administrative Controls: Restrict access during application and until surfaces are dry (≥ 1 hour). Display warning signage and record exclusion times.

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)
- Antistatic or chemical-resistant footwear

6. First Aid Measures

- **Inhalation:** Move to fresh air and keep warm; seek medical attention if symptoms persist.
- **Skin:** Wash thoroughly with soap and water; remove contaminated clothing.
- **Eyes:** Rinse with clean water for at least 15 minutes; seek medical advice.
- **Ingestion:** Rinse mouth; **do not** induce vomiting; obtain urgent medical attention (risk of aspiration).

Medical Advice: Treat symptomatically. Monitor for respiratory distress or CNS depression due to hydrocarbon exposure.

7. Spillage & Emergency Procedures

- Remove ignition sources and ventilate area.
- Contain with sand or absorbent material; collect into labelled hazardous-waste container.
- Prevent entry into drains or watercourses.
- For fire: use foam, CO₂, or dry powder extinguisher – **do not use water jet**.

8. Storage & Handling

- Store tightly closed in original container in a cool, well-ventilated area (5–30 °C).
- Keep away from heat, sparks, and direct sunlight.
- Do not store near food, feed, or animal bedding.
- Maintain chemical inventory and safety data records in accordance with BPCA storage guidance.

9. Environmental Protection

- Very toxic to aquatic life – prevent release to drains or soil.
- Do not apply in wet conditions or where run-off could occur.
- Collect washings and dispose of via licensed hazardous-waste route only.
- Comply with **The Environmental Protection (Disposal of Hazardous Waste) Regulations 2021**.

10. Disposal

Triple-rinse containers and add rinsings to spray tank.

Dispose of empty containers and residues through licensed contractor (EWC 20 01 19*).

Do not reuse containers or burn on site.

11. Health Surveillance

Observe for skin sensitisation or respiratory irritation. Maintain COSHH records for minimum 5 years as per HSE L5.

12. Assessment Review & Sign-Off

Technician: Andy Wood

Date: October 2025

Next Review Date: October 2026