

COSHH Assessment Form

Product Name: Biopren 6 EC

Assessment Date: 8th May 2025

Assessor: Ben West

Company: Pest King Ltd

1. Substance/Preparation Information

- **Product Name:** Biopren 6 EC
 - **Manufacturer/Supplier:** Bábolna Bioenvironmental Centre Ltd.
 - **Product Code/Reference:** HSE No. 10076
 - **Physical Form:** Emulsifiable concentrate (liquid)
 - **Colour:** Yellowish liquid
 - **Odour:** Characteristic, petroleum-like
 - **Active Ingredients:**
 - S-methoprene: 6.74% w/w
 - Pyrethrins (from *Chrysanthemum cinerariaefolium*): 4.81% w/w
 - Piperonyl Butoxide (PBO): 10.17% w/w
 - MGK 264 (n-octyl bicycloheptene dicarboximide): 16.07% w/w
 - **Intended Use:** Professional insecticide for control of bed bugs, fleas, and other crawling insects in indoor environments. To be diluted with water prior to use.
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2. Hazard Identification

- **Hazard Classification (CLP):**
 - Aspiration Hazard Category 1 (H304)
 - Serious Eye Damage Category 1 (H318)
 - Skin Sensitisation Category 1 (H317)
 - Aquatic Acute Category 1 (H400)
 - Aquatic Chronic Category 1 (H410)
- **Hazard Statements:**
 - H304: May be fatal if swallowed and enters airways.



- H318: Causes serious eye damage.
- H317: May cause an allergic skin reaction.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

- **Precautionary Statements:**

- P280: Wear protective gloves/protective clothing/eye protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P331: Do NOT induce vomiting.
- P391: Collect spillage.
- P501: Dispose of contents/container in accordance with local regulations.

3. Exposure Controls/Personal Protection

- **Engineering Controls:**

- Use in well-ventilated areas.
- Avoid spraying in confined spaces without adequate ventilation.

- **Personal Protective Equipment (PPE):**

- **Eye Protection:** Safety goggles or face shield to prevent splashes.
- **Hand Protection:** Nitrile or rubber gloves.
- **Respiratory Protection:** Not required under normal conditions. If working in poorly ventilated areas or mist is present, wear a half-mask respirator with A2P3 filters.
- **Skin Protection:** Long-sleeved clothing and protective footwear.

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms develop or persist.
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops.
 - **Eye Contact:** Rinse immediately with water for at least 15 minutes, keeping eyelids open. Seek medical attention if irritation persists.
 - **Ingestion:** Do not induce vomiting. Rinse mouth. Seek immediate medical attention.
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Foam, dry powder, CO₂, or water spray.
 - **Unsuitable Extinguishing Media:** Direct water jet.
 - **Special Hazards:**
 - Product may produce toxic fumes under fire conditions.
 - Containers may burst under heat.
 - **Protective Equipment:** Firefighters should wear full protective gear and self-contained breathing apparatus.
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6. Accidental Release Measures

- **Personal Precautions:** Use PPE. Avoid breathing vapour or spray.
 - **Environmental Precautions:** Prevent product from entering drains or watercourses.
 - **Methods for Cleaning Up:**
 - Contain spill with inert absorbent material.
 - Collect into a labelled container for safe disposal.
 - Clean area with detergent and water.
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7. Handling and Storage

- **Handling:**
 - Avoid contact with skin, eyes, and clothing.
 - Do not breathe spray.
 - Wash hands thoroughly after handling.
 - **Storage:**
 - Keep in original container.
 - Store in a cool, dry, well-ventilated area.
 - Protect from extreme temperatures and direct sunlight.
 - Keep out of reach of children and pets.
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8. Exposure Controls and Personal Protection

- **Workplace Exposure Limit (WEL):** No specific WELs for ingredients, but minimize exposure.
 - **PPE Requirements:** As detailed in Section 3.
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9. Disposal Considerations

- **Waste Disposal Methods:**
 - Dispose of unused product and empty containers in accordance with local hazardous waste regulations.
 - Do not reuse or pierce containers.
 - Do not contaminate drains, watercourses, or soil.
 - **Packaging Disposal:** Dispose of safely via licensed waste contractor, in compliance with UK regulations.
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10. Transport Information

- **UN Number:** UN 3082
 - **Transport Hazard Class:** Class 9 – Miscellaneous dangerous substances
 - **Packing Group:** III
 - **Special Precautions for User:** Ensure containers are secure and upright. Avoid contact with other chemicals in transit.
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11. Regulatory Information

- **COSHH Regulations Compliance:** Classified as hazardous under UK COSHH regulations due to the presence of S-methoprene and pyrethrins.
 - **Other Legislation:**
 - Control of Pesticides Regulations 1986 (as amended)
 - REACH Regulations (EC) 1907/2006
 - The Health and Safety at Work Act 1974
 - Environmental Protection Act 1990
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12. Other Information

- **Date of Last Review:** 8th May 2025
- **Changes to Previous Version:** First assessment for this product.
- **References:** Manufacturer's Safety Data Sheet (SDS) for Biopren 6 EC

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