

COSHH RISK ASSESSMENT

Product: Harpic Power Aroma (Jasmine & Cherry Blossom)

1. Company Details

- **Company Name:** Happy Homes Cleaning Company Ltd
 - **Assessor:** Richard Bland
 - **Position:** Director
 - **Assessment Date:** 08 October 2025
 - **Review Date:** 08 October 2026
-

2. Substance Identification

- **Product Name:** Harpic Power Aroma (Jasmine & Cherry Blossom)
 - **Type:** Toilet cleaning liquid (acid-based)
 - **Use:** Cleaning, descaling, and disinfecting toilet bowls and sanitary ware
 - **Supplier:** Reckitt Benckiser
 - **SDS Reference:** Harpic Power Aroma SDS
-

3. Hazard Identification (CLP Classification)

(Based on typical SDS classification for Harpic-type products)

- Skin Irritation – Category 2
 - Eye Damage – Category 1 or Eye Irritation Category 2 (depending on formulation)
 - Corrosive to metals (in some formulations)
-

Hazard Statements

- H314: Causes severe skin burns and eye damage *(if classified corrosive)*

- OR H319: Causes serious eye irritation (*less concentrated variants*)
-

Critical Risk Warning

 Do NOT mix with bleach or any other cleaning products (toxic gas risk)

4. Composition / Hazardous Ingredients

- Contains hydrochloric acid or other acidic descaling agents (varies by formulation)
 - Surfactants and fragrance compounds
 - Strong acidic cleaning formulation
 - No Workplace Exposure Limits typically assigned for short-term use
-

5. Routes of Exposure

- Skin contact (high risk during application/splashing)
 - Eye contact (very high risk)
 - Inhalation of vapours (especially in enclosed bathrooms)
 - Accidental ingestion (serious risk if undiluted exposure occurs)
-

6. Persons at Risk

- Cleaning operatives (primary risk group)
 - Other staff entering washrooms
 - Members of public (after cleaning if residue remains)
-

7. Exposure Assessment

Factor	Detail
Frequency	Daily use in washroom cleaning
Duration	Short but high-intensity exposure risk

Quantity	Small amounts applied directly to toilet bowl
Environment	Confined bathroom environments (low ventilation, high humidity)

8. Control Measures (Hierarchy Applied)

Elimination/Substitution

- Not applicable (required for descaling and toilet sanitation)
-

Engineering Controls

- Ensure ventilation (open windows/doors)
 - Use extractor fans in enclosed toilets
 - Keep toilet lid down when applying product (reduces splash/aerosol exposure)
-

Administrative Controls (CRITICAL)

- **NEVER mix with bleach or other cleaning products (chlorine gas risk)**
 - Apply carefully inside toilet bowl only
 - Avoid splashing during application and scrubbing
 - Follow manufacturer dosage and application instructions
 - Train staff on chemical incompatibility risks
-

PPE (MANDATORY)

- Chemical-resistant gloves (required)
 - Eye protection (strongly recommended during use)
 - Apron recommended for frequent use
-

9. Workplace Exposure Limits (WELs)

- No specific WEL assigned for short-term cleaning use

10. First Aid Measures

- **Eyes:** Immediately rinse with water for at least 15–20 minutes. Seek urgent medical attention
- **Skin:** Remove contaminated clothing immediately. Wash skin with soap and water
- **Inhalation:** Move to fresh air immediately
- **Ingestion:** Rinse mouth. **Do NOT induce vomiting. Seek emergency medical attention immediately**

11. Fire Safety

- Not typically flammable
- Some formulations may react with metals or other chemicals
- Keep away from incompatible substances

12. Spill / Emergency Procedures

- Wear PPE before handling spill
- Contain with absorbent material
- Neutralise and clean with water carefully
- Ensure good ventilation
- Prevent entry into drains in large quantities

13. Storage

- Store in original container only
- Keep tightly closed
- Store upright in cool, ventilated area
- **Keep strictly away from bleach, ammonia, and other cleaning chemicals**
- Store out of reach of unauthorised persons

14. Environmental Considerations

- Harmful to aquatic life in concentrated form
 - Avoid uncontrolled discharge into drainage systems
 - Use only as directed and in small controlled quantities
-

15. Monitoring & Supervision

- Supervisor checks:
 - PPE use at all times
 - No chemical mixing in washrooms
 - Controlled application technique
 - Staff understanding of acid/bleach reaction risk
-

16. Training Requirements

- COSHH training (mandatory)
 - Chemical incompatibility training (critical emphasis on bleach mixing hazard)
 - PPE training
 - Toilet cleaning safe procedure training
-

17. Risk Assessment (Before & After Controls)

Stage	Likelihood (1–5)	Severity (1–5)	Risk Score
Before Controls	4	5	20 (Very High)
After Controls	1	4	4 (Low–Medium)

18. Residual Risk

- **Controlled but remains higher risk than general cleaning chemicals due to corrosive nature**
-

19. Assessment Approval

- **Assessed by:** Richard Bland
- **Signature:** _____ *R Bland* _____
- **Date:** 08 October 2025