

## **Windmill Synergy All Purpose – Cleaner and Sanitiser – 5L – Windmill Refill**

**Variant code: 07-820**

An eco-friendly antibacterial and anti-viricidal all purpose cleaner, sanitiser and air freshener that neutralises odour leaving a fresh fragrance. Certified to EN1276 and 14476.

### **Features and Benefits**

- Plant-based lactic acid formula – A naturally derived, biodegradable sanitiser that effectively eliminates bacteria while being safer for both users and the environment.
- Quat-free and alcohol-free biocide – Reduces the risk of antimicrobial resistance and does not require rinsing on food-contact surfaces.
- Non-toxic and hazard-free – No CLP hazard symbols, making it safer to use in all environments, including food processing, healthcare, and education.
- 100% biodegradable formulation – Breaks down naturally, leaving no harmful residues and supporting environmental sustainability initiatives.
- Pleasant cotton fragrance – Leaves areas smelling fresh without overpowering chemical odours.
- Advanced odour control technology – Offers multiple layers of odour neutralisation and elimination:
  - Neutralises odours – Chemically modifies some malodours so they no longer exist in the air.
  - Eliminates odours – Uses a special ingredient to bind with odours, making them heavier and preventing them from becoming airborne.
  - Masks odours – A long-lasting fragrance competes with and overpowers bad smells.
  - Prevents new odours – Stops bacteria from generating unpleasant odours over time.
- EN1276 & EN14476 Certified – Proven efficacy against bacteria and viruses, ensuring high hygiene standards in all environments.

- Simplifies training and reduces waste –  
As an all-in-one product, it eliminates the need for multiple cleaning solutions, reducing confusion and product wastage.

### **Areas of Use**

- Hard surfaces, including most floors and surfaces.
- Touchpoint cleaning and sanitising
- Glass and mirrors
- Hard floors (mop buckets or scrubber dryers)
- Carpets and soft furnishings through a carpet cleaning extractor
- Carpet spot and stain removal
- Air freshening through the Atomiser refillable aerosol bottle.

### **Why is Synergy All Purpose More Environmentally Friendly?**

Synergy All Purpose Cleaner and Sanitiser offers a sustainable alternative to traditional chemical cleaners, thanks to its biodegradable formulation and zero single-use plastic packaging. Unlike Quat-based sanitisers, which can leave harmful residues and contribute to antimicrobial resistance, Synergy uses a plant-based lactic acid biocide, which is non-toxic, non-corrosive, and breaks down naturally. This makes it safer for both cleaning operatives and building occupants, while also supporting corporate sustainability goals. As a multi-purpose product, Synergy reduces the need for multiple chemical solutions, simplifying inventory management and minimising waste. This not only benefits the environment but also helps cleaning contractors lower costs and streamline their cleaning processes.

**Synergy All Purpose Packaging – Eliminating Single-Use Plastics**

The Synergy All Purpose Cleaner and Sanitiser is part of the innovative Windmill Refill System, a closed-loop packaging solution that eliminates single-use plastic waste.

Key packaging benefits include:

- 5L reusable UN standard bottles –  
Supplied in bulk and collected for refilling, reducing plastic consumption and waste disposal costs.
- No outer packaging required – Stackable design maximises storage efficiency and reduces unnecessary packaging

materials.

- Printed trigger spray bottles – Eliminates the need for disposable labels and ready-to-use plastic bottles, further reducing environmental impact.
- Concentrate-based refilling – Reduces transport emissions and storage space requirements by eliminating pre-diluted, ready-to-use products.

By choosing Synergy All Purpose, you have a highly effective, eco-friendly sanitising solution that aligns with modern sustainability standards and cost-saving initiatives, while also enhancing their environmental credentials in competitive tender exercises.

### **Why are Quat's not Considered to be Eco-Friendly?**

Quaternary ammonium compounds (Quats) are not considered environmentally friendly for several reasons:

**Persistence in the Environment** – Quats do not readily biodegrade and can accumulate in soil and water systems, leading to long-term environmental contamination.

**Toxicity to Aquatic Life** – Quats are highly toxic to fish, aquatic invertebrates, and algae. When they enter waterways through wastewater, they can disrupt ecosystems and contribute to biodiversity loss.

**Contribution to Antimicrobial Resistance (AMR)** – Overuse of Quats has been linked to the development of antimicrobial resistance, making it harder to control harmful bacteria in the long term. This poses a significant risk to public health.

**Residue Buildup & Potential Health Risks** – Quats leave residues on surfaces that can persist over time. These residues can contribute to skin irritation, respiratory issues, and allergic reactions, particularly for cleaning operatives with frequent exposure.

**Hazardous Chemical Properties** – Many Quat-based disinfectants will carry a CLP warning symbol on the label, and will require additional safety and environment precautionary measures.

Property	Value
Fragrance	Yes
Volume (L)	5ltr
EN	Yes
pH	3 – 4
Dilution	30ml per 750ml – 60ml per 5ltr
Weight (kg)	5kg
Area of Use	All Surfaces, Floors, Glass, Carpets and Air Freshening
Dosing Chart: 10L Dilution	Dosing:4
Dosing Chart: 5L Dilution	Dosing:2
Dosing Chart: Trigger Dilution	dosing:1
How to Use	Spray on to surface and wipe off, including sanitising touch points, or use in mop buckets or scrubber driers for floor cleaning. Can be used as an air freshener and for general carpet spots and stains, or in carpet cleaning machines.
Chemical Colour	Yellowish Clear
Eco Product	Yes – Lactic Acid
Food Safe	No
Health & Safety	Contains Tetramethyl acetyloctahydronaphthalenes. May produce an allergic reaction. Causes serious eye damage. Contains Lactic acid, Tetramethyl acetyloctahydronaphthalenes. Keep out of reach of children. Wear eye protection.
Type	Reusable Plastic Bottle