**Life Protected Cleaner**
Water Soluble Matrix

# LPC FAQs

### What is LPC?

Life Protected Cleaner (LPC) is a solid, multi-purpose cleaner in the form of a thin sheet.

The innovative pH neutral surfactant formulation is based on our brand-new Water Soluble Matrix Technology (WSM). The water-soluble sheets, dissolve in water in seconds creating a high-performance cleaning solution.

### What is the Water Soluble Matrix?

GV Health's Water Soluble Matrix (WSM) technology utilises a solid-state, water-soluble biodegradable polymer to immobilise cleaning chemicals at a molecular scale to form a composite material. Within this material, the polymer chains interlink to form a continuous three-dimensional matrix in which the cleaning chemicals are homogenously distributed. The polymer matrix chemically binds the cleaning chemicals, immobilising them and reinforcing its structure. The highly polar nature of the material achieves rapid hydration, enabling it to dissolve quickly in water without the need for effervescents, achieving a quantum leap for solid dissolvable cleaning products.

### What can LPC be used for?

LPC is a multi-purpose cleaner designed to be used on all environmental surfaces, including but not limited to, hard surfaces, floors and toilets across a wide range of environments (including kitchens)



### How do I use LPC?




To prepare the cleaning solution, simply add water to the required container (e.g., spray bottle, mop bucket, or cleaning machine), then add the required number of sheets as specified in the dosage instructions in the table on this sheet. These instructions are also listed on the back of the pack and in the usage guidance documents.

### How many LPC sheets in a pack and in a case?

There are 36 LPC sheets per pack and 48 packs per case, totalling 1,728 sheets per case.




### What is the correct dosage?



| Application | Usage rate | | Total ready to use solution volume per SKU (litres) | |
|---|---|---|---|---|
| | Litres per sheet | Sheets per litre | Pack | Case |
| **Hard Surfaces** | 1 | 1 | 36 L | 1,728 L |
| **Floors** | 2.5 | 0.4 | 90 L | 4,320 L |
| **Toilets** | 1 | 1 | 36 Toilets | 1,728 Toilets |

### Do I need to wear PPE when using LPC?

With the safer formulation, only gloves are required when using LPC

### Does the water need to be a certain temperature for LPC to dissolve?

LPC can be dissolved in cold tap water and dissolves 10x faster than all other surface cleaning products.

### Will LPC leave a surface residue?

When used correctly according to the instructions, LPC will leave no surface residue. The safer formula is kinder to materials and compatible with a wide range of surfaces.

### Is LPC scented?

LPC has a mild lemon scent

### Can LPC be used with disinfectant products?

LPC is the perfect choice to clean surfaces prior to disinfection, particularly when oxidative disinfectants are used (i.e. Hypochlorous acid, Hypochlorite, Chlorine dioxide, peracetic acid etc.)

### What is the shelf life for LPC?

LPC sheets in solid sheet form - up to **4 years*** shelf life

LPC ready-to-use solution - up to **6 months*** shelf life

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# LPC FAQs cont.

**What are the sustainability benefits of using LPC?**




- 82.4% reduction in carbon footprint of inner packaging compared to preconcentrate cleaners
- 34% reduction in inner packaging waste (by weight) compared to preconcentrate cleaners
- Reduced plastic: Replaces plastic with cardboard inner packaging
- 77% reduction in the carbon footprint and cost associated with transportation and storage compared to pre-concentrate cleaners
- Up to 50% reduction in chemical use compared to other solid cleaning products
- Reduced PPE Safer formula means only gloves are required
- 4 times as much product stored in the same space compared to pre-concentrate cleaners

*Based on in-house tests performed by GV Health comparing LPC against a commercial liquid pre-concentrated used at 1.5% dilution rate on a like-for-like performance basis

**How can I order LPC?**

LPC can be ordered from:

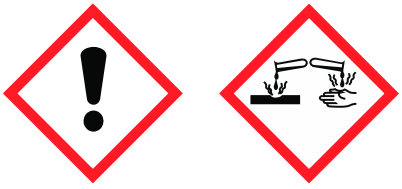
**GV Health - Code: LPC036**

**NHS Supply Chain - Code: MKJ85482**

**What support does GV Health offer to implement this new product?**

Our expert team is here to support you with any questions, concerns, product trials, and both onsite and online training. Every customer is assigned a dedicated Account Manager who works closely with our multi-disciplinary Technical Team of scientists. This highly skilled team developed LPC in our state-of-the-art laboratory facilities.

**Why are there hazard signs on LPC?**



GHS05 GHS07

LPC is labelled according to CLP Regulations. The hazards and associated pictograms on the product label are determined by the safety data sheet. The safety data sheet takes in to account the identity and concentration of the chemical raw materials in the formulation to determine the relevant hazards. One of the hazards for LPC is: 'H318 - Causes serious eye damage.' This hazard triggers the GHS05 pictogram' which is used to represent a range of different hazards relating either to eye/skin damage or corrosiveness to metals. This pictogram can however be visually misleading, because for LPC, it implies its corrosive to metals, whereas it is only hazardous to eyes. The other misleading element is the image of a liquid being poured out of a test tube on to a hand and surface. Because LPC is a solid, it cannot be spilled, dripped or splashed, limiting its risk for contact with eyes, which is why we only recommend the use of gloves as PPE. When LPC is diluted to create a ready-to-use cleaning solution, at the reduced concentration, the chemicals no longer trigger H318, so the GHS05 pictogram no longer applies.

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**If you have any questions or need assistance please contact our customer teams**

Phone: 01920 463 098
Email: info@gvhealth.com
Chat via: www.gvhealth.com

**GV Health Ltd**
Hall House, 2 Arlington Court, Whittle Way, Arlington Business Park, Stevenage, Hertfordshire, SG1 2FS, UK