

# Hygenol Cleaning Supplies Ltd

## Environmental Policy

20/07/2022

### Chemical and Material supply chain

Through our chemical and material supply chain we ensure the following criteria are achieved and delivered:

- Chemicals are manufactured under the umbrella of ISO9001, ISO14001 and are IPPC compliant.
- Environmentally superior ingredients are utilised throughout our chemical range to ensure our ability to bulk purchase quality key ingredients.
- Waste packaging and chemicals are recycled on site where practical and other waste is segregated and recycled through third party processes.
- All chemicals meet the EU detergent regulations and abide by the recommendations in the BACS/UKCPI guidance for responsible procurement of cleaning products.
- The manufacturing facility we utilise has a unique bioreactor pioneered in conjunction with independent biotechnology companies and the DTI which allows digestion of effluent into carbon dioxide and water. Which being 90% biodegradable within 24 hours demonstrates the exceptional biodegradability of the chemicals we use.
- Within the chemical production facility water is used extensively. Efficient processes are in place to minimise heat loss, recirculation of hot and cold water is utilised so none of the energy or the water is lost. Thermostat controlling electric roller doors, recirculation of rising heat, low energy bulbs connected to light sensitive device automatically switches off during bright daylight to ensure that energy efficiency is maximised.

Our choice of chemicals for each location we clean are carefully selected in conjunction with our client's health and safety personnel. This in tandem with our independent site visits will provide a product range proposal for client approval.

The product range is selected from:

- Standard Chemical Range: For infrequent use and specialist tasks.
- Enzyclean Range: For specialist tasks with latest Enzyme cleaning technology and everyday bacteria based products that are effective in a wide range of applications.
- Enzyguard Range: All purpose sanitisers effective against a broad range of bacteria including MRSA, Norovirus and Coronavirus.

Life Cycle Step	Criterion	Expectations
Manufacturing (formulation)	Safety of the product	<ul style="list-style-type: none"><li>• The product shall not contain ingredients (substance or preparation) classified with any of the following risk phrases</li></ul>

		<p>(according to Directive 67/548/EEC and its amendments) or any combination thereof: R31, R40, R45, R46, R49, R68, R50-53, R51-53, R59, R60, R61, R62, R63 and R64.</p> <ul style="list-style-type: none"> <li>• No more than 10% (by weight) of VOCs with boiling point &lt; 150°C.</li> <li>• No dyes or colouring agents which are not permitted by Directives 76/768/EEC and 94/36/EEC, or are classified with R50-53 or R51-53 risk phrases according to Directive 67/548/EEC and its amendments.</li> <li>• The product shall not be classified with R42 and/or R43 risk phrases, according to Directive 67/548/EEC, and shall not contain any substances or ingredient exceeding 0,1% by weight of the final product that is classified as R42 and/or R43 risk phrases (may cause sensitisation by inhalation and/or skin contact).</li> <li>• Fragrances must have been produced or handled following the code of practice of the International Fragrance Association. No perfumes containing nitro-musks or polycyclic musks are allowed.</li> <li>• Safety advice: <ul style="list-style-type: none"> <li>- "Keep away from children"</li> <li>- "Do not mix different cleaners"</li> <li>- "Do not inhale the sprayed product" (for sprays).</li> </ul> </li> </ul>
Use	Consumer information for environmental use	<p>The following texts, or equivalent texts, shall appear on the packaging:</p> <ul style="list-style-type: none"> <li>• The text "Proper dosage saves costs and minimises environmental impacts".</li> <li>• Dosage recommendations: <ul style="list-style-type: none"> <li>- For all-purpose cleaners: exact dosage recommendation.</li> <li>- For concentrated cleaners for sanitary facilities: indication that only small quantities of the product are needed.</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>• Information and labelling of ingredients according to EC Regulation N° 648/2004.</li> <li>• No claims of antimicrobial action.</li> </ul>
Use	Performance and durability criteria	<ul style="list-style-type: none"> <li>• The product shall be fit for use, meeting the needs of consumers.</li> <li>• The cleaning ability must be equivalent to or better than that of a market-leading or generic reference product, approved by a Competent Body, as well as better than pure water.</li> <li>• For all-purpose cleaners and cleaning products for kitchens, fat-removing effects must be documented.</li> <li>• For sanitary cleaning products and window cleaners, both calcium and fat-removing effects must be documented.</li> <li>• Training on detergents for professional uses, including step-by-step instructions for proper dilution, use, disposal and the use of equipment, shall be offered for cleaning staff.</li> </ul>
End of life	Limitation of the use of substances harmful for the aquatic environment	<ul style="list-style-type: none"> <li>• Critical Dilution Volume toxicity (CDVtox): <ul style="list-style-type: none"> <li>- All-purpose cleaners: CDVtox &lt; 20 000L/functional unit (f.u. = dose in g / L of water).</li> <li>- Cleaners for sanitary facilities: CDVtox &lt; 100 000L/100g of product.</li> <li>- Window cleaners: CDVtox &lt; 5 000L/100g of product.</li> </ul> </li> <li>• Total content of elemental phosphorus (P) (taking into account all ingredients containing phosphorus, e.g. phosphates and phosphonates): <ul style="list-style-type: none"> <li>- All-purpose cleaners: P &lt; 0.02g/functional unit.</li> <li>- Cleaners for sanitary facilities: P &lt; 1.0g/100g of product.</li> <li>- Window cleaners: no phosphorus.</li> </ul> </li> <li>• Each surfactant shall be biodegradable under aerobic and anaerobic conditions.</li> <li>• No APEOs and derivatives, EDTA, NTA.</li> <li>• No quaternary ammonium salts that are not readily biodegradable.</li> </ul>

		<ul style="list-style-type: none"> <li>• Some biocides to preserve the product are allowed, only in the appropriate dosage and if not potentially bio-accumulative.</li> </ul>
End of life	Limitation of packaging waste	<ul style="list-style-type: none"> <li>• Sprays containing propellants shall not be used.</li> <li>• Plastics shall be marked according to Directive 94/62/EC.</li> <li>• Primary packaging parts shall be easily separable into mono-material parts.</li> <li>• Recycled packaging labelled in conformity with ISO 14001.</li> </ul>

Our training capability ensures the correct usage of products where accurate dilution for the job is vital for minimising wastage. Increasing the number of product doses per unit of packaging and transport is a key component of improving our sustainability. Products that clean efficiently first time eliminate the need for second pass cleaning. This in tandem with our concentrated chemical technology offers class leading performance at lower doses.

## Materials & Equipment

Our consumables and equipment are selected from our supply partners on the basis of quality, sustainability, and ergonomic performance. Products are regularly reviewed to ensure that new innovations and sustainability aspects are continually up to date. Some initiative areas include sustainable forestry programmes with our supply partners Metsa Tissue which also provides reduced packaging for our supply of washroom consumables. Also, the introduction of the use of microfibre cloths and flat mopping systems have improved performance and hygiene standards in healthcare facilities that we service. These have been some of the bespoke initiatives we continue to develop in partnership with our clients and suppliers.