

QUALITY PROTECTS.



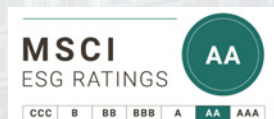
Your partner for
Personal Care Ingredients

QUALITY **WORKS.**

LANXESS
Energizing Chemistry



LANXESS AT A GLANCE



LANXESS is a leading specialty chemicals company based in Cologne, Germany, that is well-established on the global market. The core business is the development, manufacturing and marketing of chemical intermediates, additives and consumer protection products for a broad range of applications and markets.

We understand the growing importance of **providing safe and sustainable solutions to protect consumers and their environment**. The challenges that our customers face drive us to supply them with innovative, high-quality ingredients, as well as to provide them with extensive technical and regulatory advice. We are committed to sustainability and aim to achieve climate neutrality by 2040 (scope 1 and 2) and a net zero value chain by 2050 (scope 3).

YOUR PARTNER FOR PRESERVATION SOLUTIONS

A diverse portfolio of safe and effective ingredients

- Broad range of preservation solutions and other cosmetic ingredients to meet your specific formulation requirements
- Portfolio ranging from traditional technologies to innovative, sustainable offerings
- Naturally derived and nature-identical preservation solutions to suit consumer products with clean and green labels

Our main focus is on **safe and effective preservation solutions** to protect Personal Care formulations against the hazards of microbial contamination. They can be applied in leave-on and rinse-off applications – LANXESS preservatives can be found in many recognized cosmetic brand products such as face creams, body lotions, shampoos, conditioners and deodorants against unwanted bacteria, yeasts and molds.



Reliable partnership beyond the product

We assist you in creating formulations that stay ahead of consumer trends and shifting regulations. This includes optimizing individual formulations for robustness or labelling as specified by varying local requirements.

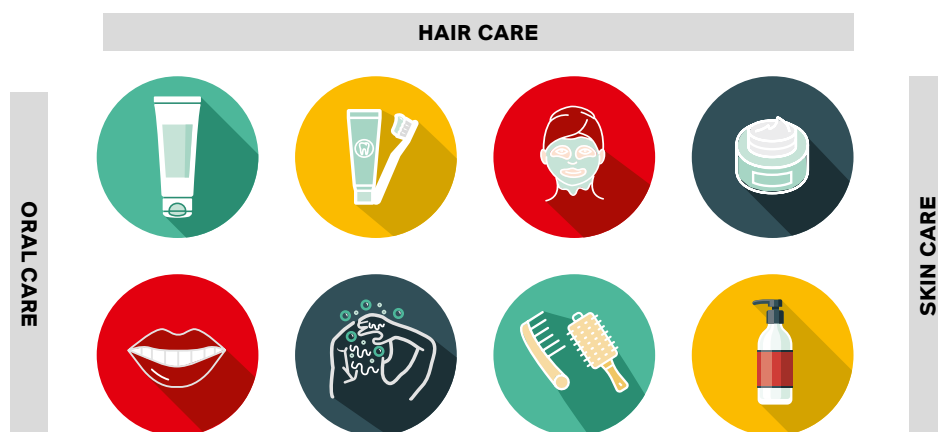
Benefit from

- The broad technical, microbiology and regulatory know-how of our LANXESS experts
- Our global network of excellently equipped R&D facilities

With production sites across all continents, LANXESS owns an efficient supply network to serve you globally.

OUR KEY PRODUCTS FOR PERSONAL CARE FORMULATIONS

Our comprehensive portfolio of preservative solutions for Personal Care not only adds value to your formulations but also safeguards consumer health and safety while enhancing brand recognition. With our commitment to developing innovative and sustainable solutions, we provide the foundation for any preservation strategy, ensuring the protection of both consumers and your brand.



Neolone® PH 100 Preservative

Phenoxyethanol

Neolone® PH 100 Preservative is a broad-spectrum antimicrobial for safeguarding cosmetic and personal care items, from shampoos to baby-care products. It is the highest purity standard phenoxyethanol with Cosmetic ingredient GMP level quality and global regulatory approval. **Neolone® PH 100 Preservative** offers excellent stability across various pH and temperature conditions, effectively controlling a wide array of bacteria. It is rated safe by CIR and SCCS, allowing up to 1% use in all personal care products.

Neolone® PH Max

Phenoxyethanol + Pelargonic Acid

Neolone® PH Max is a preservative blend of Phenoxyethanol and Pelargonic Acid, a naturally occurring multifunctional additive derived from sunflower oil, designed to improve Personal Care formulations through several key value-adders. This product offers superior broad spectrum performance against bacteria and fungi, while boosting the antimicrobial effectiveness of Phenoxyethanol compared to benchmark formulations at equivalent dosing levels. Additionally, **Neolone® PH Max** serves as liquid drop-in solution, combining chelating and antioxidant attributes.

Neolone® BioG Preservative

Ethyl Lauroyl Arginate HCl

Neolone® BioG Preservative is based on Ethyl Lauroyl Arginate HCl which is derived from natural ingredients. It provides excellent broad spectrum activity against a wide range of gram-negative and gram-positive bacteria, yeasts and molds. Most stable between pH 3 and 6, it demonstrates optimum performance in Personal Care products with a low anionic content. **Neolone® BioG Preservative** is non-irritating and non-sensitizing at recommended use levels.

Kathon® CG Preservative

CMIT/MIT

Kathon® CG Preservative delivers superior, broad-spectrum protection for rinse-off hair and skin care items. It effectively combats bacteria, yeasts, and molds within the standard pH range of cosmetic products. It provides an excellent environmental profile, breaking down quickly, and without bio-accumulation or environmental persistence. Personal Care products remain free from any color or odor transfer. Its effectiveness at low use levels makes it a cost-attractive solution.


Regional Product Availability

The products are not available in every region of the world. Please reach out to your LANXESS representative for country specific information on the registration status per product. We are happy to assist you in finding the right product for your formulation and region.

Let us find your individual preservation solution

For information on the appropriate dosage, possible combinations and formulation specifics of this preservative for your individual application, please contact your LANXESS representative to closely support you.

Our Personal Care Ingredients

Product	INCI	Properties			Application Examples				
		Form	Typical %	pH range	Leave-On	Rinse-Off	Wipes	Oral Care**	Color Cosmetics
Neolone® PH 100 Preservative	Phenoxyethanol	Liquid	0.3–1.0	3–10	■	■	■	■	■
Purolan® PE N	Phenoxyethanol	Liquid	0.3–1.0	3–10	■	■	■	■	■
Kathon® CG Preservative	CMIT/MIT	Liquid	0.05–0.1	<8.5		■			
Neolone® 950 Preservative	MIT	Liquid	<0.015	2–12		■			
Neolone® PE Preservative	Phenoxyethanol/MIT	Liquid	<0.09	3–10		■			
Bioban® Bronopol PC	Bronopol	Crystalline solid	0.01–0.1	3–8	■	■			
Neolone® BioG Preservative 	Ethyl Lauroyl Arginate HCl/Glycerin	Liquid	0.25–2.0	3–6	■	■	■	■	■
Neolone® PH Max	Phenoxyethanol Pelargonic Acid	Liquid	0.5–1.2	3–10	■	■			■
Neolone® CF	85% Phenoxyethanol 15% Caprylyl Glycol	Liquid	0.35–1.0	3–10	■	■			■
Neolone® HF	75% Phenoxyethanol 25% Ethylhexylglycerin	Liquid	0.35–1.0	3–10		■			
Neolone® BF	50% Phenoxyethanol 50% Benzyl Alcohol	Liquid	0.2–1.0	2–10	■	■			■
Maxario® EHG	Ethylhexylglycerin	Liquid	0.1–1.0	3–10	■ max. dosage 0.1%	■			■
Maxario® CAG	Caprylyl Glycol	Liquid	0.1–1.0	3–8	■ max. dosage 0.2%	■			■
Oxone™	Potassium Monopersulfate	Powder	1–20*	2–9				■	

* maximum 2.2% in toothpaste applications

** non-drug use

Leave-On
Rinse-Off
Wipes
Oral Care**
Color Cosmetics

Note: The dosages and applications listed in the above tables are recommended dosages and uses for which these products are suitable. All application areas should be considered as examples and have regulatory limitations. Allowed dosages and applications vary by country, hence please reach out to your LANXESS representative for country specific information on the registration status of each product.

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Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

Note: Please use the LANXESS products safely. Always read the label and product information before use. Information contained in this publication is current as of May 2025. Please contact LANXESS Deutschland GmbH respectively LANXESS Corporation to determine if this publication has been revised.

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