

QUALITY PROTECTS.



Your trusted partner for safe, sustainable and effective Personal Care formulations

Explore preservatives, multifunctionals and other ingredients from LANXESS – solutions that protect and enhance cosmetic formulations to satisfy consumer demands.

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.

Our wholly owned subsidiary, Saltigo, specializes in custom manufacturing for a wide range of industries, delivering tailored solutions and end-to-end services.

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
- Nature-identical preservation solutions to suit consumer products with clean and green labels
- High-quality production standards, confirmed by certificates such as FSSC 22000

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. LANXESS is one of the world's leading suppliers of benzoates and phenoxyethanol.

Our range of **multifunctionals and other Personal Care ingredients** adds value to your product formulations. From surfactants and humectants to synergists, using LANXESS multifunctionals can reduce the number of ingredients in a formulation while delivering superior product performance. Other ingredients in our portfolio include emollients for excellent skin feel, or actives for denture cleansing and insect repellents.



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 labeling 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 and safe supply network to serve you globally.



OUR PRODUCT HIGHLIGHTS FOR PERSONAL CARE FORMULATIONS

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.

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 bioaccumulation 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.

 Available as Scopeblue® variant

Purox® S

Sodium benzoate

With a minimum purity of 99.9%, Purox® S is the highest purity offering for sodium benzoate available on the market. It provides broad spectrum protection alone, and can easily be used in combination with other preservatives and multifunctionals to create a robust Personal Care formulation up to pH 6.5. Based on renewable feedstock, Purox® S Scopeblue® is the first choice for customers looking for sodium benzoate with a measurably improved carbon footprint.

Purolan® BA

Benzyl Alcohol

Purolan® BA is produced to a very high minimum purity of 99.6%. Benzyl alcohol acts as a preservative, fragrance fixative, and solvent. It demonstrates synergies with sodium benzoate, enabling formulators to enhance preservation robustness by using these ingredients together.

Purolan® Isoparaffins

Isohexadecane / Isododecane

Purolan® IHD and Purolan® IDD isoparaffins are high purity hydrocarbon emollients with precisely defined chain length, low odor, and non-comedogenic properties. They are suitable for a wide range of cosmetic applications. Purolan® isoparaffins significantly improve skin feel and spreadability of creams and lotions, acting as conditioners and moisturizers in hair care applications. In fast drying formulations like mascara, isoparaffins are perfect solvents due to their high volatility.

Purolan® PD-LO

Pentylene Glycol

Low odor Purolan® PD-LO enhances the overall sensory profile and acts as a strong solvent and humectant, while boosting antimicrobial efficacy. The portfolio range includes Purolan® PD-LO Natural – a 100% plant-based alternative – as well as the complementary glycols Purolan® HD-LO and Purolan® OD-C.

DRIVING SOLUTIONS FOR A SUSTAINABLE TOMORROW

As a responsible supplier, LANXESS is driving leadership in sustainability. As one of our key initiatives, we aim to be climate neutral in 2040 and to achieve a net zero value chain by 2050. LANXESS is listed in the leading sustainability indices of the Dow Jones Sustainability Index (DJSI World and Europe). Our activities were also awarded a “Gold” rating by EcoVadis in 2025.

LANXESS specifically supports Personal Care manufacturers in achieving their own sustainability goals: Our portfolio includes ingredients that are approved for use in green label programs such as Ecocert, NATRUE, Nordic Swan and COSMOS.

Some of those products are derived from natural raw materials such as sugar beet, and thus help you meet customers' expectations for sustainable end products. Others are renewable mass balance product alternatives: Through the use of a bio-circular feedstock, biomass and green electricity, they enable manufacturers to reduce their carbon footprint along the entire value chain. This helps you to implement your climate protection and energy efficiency targets. Many of the LANXESS production sites are ISCC Plus certified. Verified product carbon footprint calculations assess the CO₂ saving per product.

Talk to LANXESS application chemists who will support you on your individual path to sustainability.







THE LANXESS SCOPEBLUE® LABEL

The **LANXESS Scopeblue® label** identifies products that either contain at least 50% sustainable raw materials or have a carbon footprint that is at least 50% lower than that of conventional products.

The LANXESS Scopeblue® portfolio for Personal Care formulations:

Purox® S, Purox® B, Kalama® Benzyl Alcohol NF/FCC and Kalama® Sodium Benzoate NF/FCC Scopeblue® provide a measurably improved CO₂ footprint. The technical product properties remain unchanged, so no re-formulation is necessary when switching to the Scopeblue® alternative.

Preservation Solutions

Name	INCI	Properties			Application Examples				
		Form	Typical %	pH range	Leave-On Skin Care	Rinse-Off Skin Care	Wipes	*Oral Care	Color Cosmetics
Purox® B Food/Pharma 	Benzoic acid	Grains	0.1 – 0.5	2 – 6.5	■	■	■	■	
Kalama® Benzyl Alcohol NF/FCC 	Benzyl alcohol	Liquid	0.1 – 1	3 – 8.5	■	■	■	■	■
Purolan® BA	Benzyl alcohol	Liquid	0.1 – 1	3 – 8.5	■	■	■	■	■
Bioban® Bronopol PC	Bronopol	Crystalline solid	0.01 – 0.1	3 – 8	■	■			
Neolone® 950 Preservative	Methylisothiazolinone	Liquid	< 0.015	2 – 12		■			
Kathon® CG Preservative	Methylchloroisothiazolinone / Methylisothiazolinone	Liquid	0.05 – 0.1	< 8.5		■			
Neolone® PH 100 Preservative	Phenoxyethanol	Liquid	0.3 – 1	3 – 10	■	■	■	■	■
Purolan® PE N	Phenoxyethanol	Liquid	0.3 – 1	3 – 10	■	■	■	■	■
Solbrol® PEH	Phenoxyethanol / Ethylhexylglycerin (90/10)	Liquid	0.5 – 1	3 – 9	■	■	■		■
Neolone® PH Max	Phenoxyethanol / Pelargonic Acid	Liquid	0.5 – 1.2	3 – 10	■	■			■
Neolone® CF	Phenoxyethanol / Caprylyl glycol	Liquid	0.35 – 1.0	3 – 10	■	■			■
Neolone® BF	Phenoxyethanol / Benzyl alcohol	Liquid	0.2 – 1.0	2 – 10	■	■			■
Neolone® HF	Phenoxyethanol / Ethylhexylglycerin (75/25)	Liquid	0.35 – 1.0	3 – 10		■			
Neolone® PE Preservative	Phenoxyethanol / Methylisothiazolinone	Liquid	< 0.09	3 – 10		■			
Kalama® Sodium Benzoate NF/FCC 	Sodium benzoate	Grains, Powder, Extruded Dust-Free, or 33% in solution	0.1 – 1	2 – 6.5	■	■	■	■	■
Purox® S 	Sodium benzoate	Grains	0.1 – 1	2 – 6.5	■	■	■	■	■
Solbrol® SC Na	Sodium salicylate	Powder	0.2 – 0.5	2 – 6.5	■	■			■

* non-drug use

 Available as Scopeblue® variant

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

Note: The dosages and applications listed in the tables in this brochure 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.

Multifunctionals

Name	INCI	Benefits	Properties			Application Examples				
			Form	Typical %	pH range	Leave-On Skin Care	Rinse-Off Skin Care	Wipes	*Oral Care	Color Cosmetics
Purolan® HD-LO	1,2-Hexanediol	Low-odor humectant and solvent	Liquid	1 – 5	2 – 13	■	■	■	■	■
Purolan® OD	Caprylyl glycol	Emollient, improved skin feel and emulsion stability	Waxy solid	1 – 3	2 – 13	■	■	■	■	■
Purolan® EHG	Ethylhexylglycerin	Improved skin feel and skin conditioning	Liquid	0.1 – 1.0	3 – 10	■	■	■	■	■
Purolan® PD-LO	Pentylene glycol	Low-odor humectant, solvent, and spreading agent	Liquid	1 – 3	2 – 13	■	■	■	■	■
Purolan® PD-LO Natural	Pentylene glycol	Low-odor, renewable humectant, solvent, and spreading agent	Liquid	1 – 3	2 – 13	■	■	■	■	■
Kalama® 3PP FCC	Phenylpropanol	Fragrance, solvent, odor masking, process aid	Liquid	0.1 – 0.5	2 – 10	■	■	■	■	■
Solbrol® SC	Salicylic acid	Anti Acne, Exfoliant, Keratolytic, antimicrobial	Powder	0.5 – 2	2 – 6.5	■	■	■	■	■
Solbrol® SC Na	Sodium salicylate	Exfoliant, anti-acne, keratolytic	Powder	0.2 – 0.5	2 – 6.5	■	■	■	■	■

More ingredients

Name	INCI	Benefits	Properties			Application Examples				
			Form	Typical %	pH range	Leave-On Skin Care	Rinse-Off Skin Care	Wipes	*Oral Care	Color Cosmetics
Purolan® ETSA	Ethyl Tosylamide	Plasticizer in nail polish, improves wear resistance and durability	Liquid							■
Saltidin®	Icaridin	Active ingredient for insect repellents	Liquid	10 – 20	5 – 8					insect repellents
Purolan® IDD	Isododecane	Fast drying solvent, emollient, improved skin feel and spreadability, moisturizer, conditioner	Liquid	1 – 90	1 – 14	■	■	■	■	■
Purolan® IHD	Isohexadecane	Emollient, improved skin feel and spreadability, moisturizer, conditioner, solvent	Liquid	1 – 42	1 – 14	■	■	■	■	■
Purolan® IOC	Isooctane	Quick-drying solvent, improved spreadability, volatile carrier	Liquid	1 – 40	1 – 14					■
Oxone™	Potassium monopersulfate	Oral Care oxidizing agent	Powder	1 – 20**	2 – 9					■
Purolan® TEC	Triethyl Citrate	Personal care solvent, fragrance carrier, deodorant ingredient, COSMOS approved	Liquid	0.1 – 6	5 – 8	■	■	■	■	■

* non-drug use

** maximum 2.2% in toothpaste applications

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



LANXESS Deutschland GmbH

Kennedyplatz 1
50569 Cologne
Germany

Customers in North and Central America are kindly requested to refer to

LANXESS Corporation
111 RIDC Park West Drive, Pittsburgh
Pennsylvania, PA, 15275-1112
USA

Please send
customer inquiries to:
HPcare@lanxess.com

www.lanxess.com



Follow us on LinkedIn:
LANXESS Consumer Care



Contact us
for more information

This information and our technical advice – whether verbal, in writing or by way of trials – is subject to change without notice and given in good faith but without warranty or guarantee, express or implied, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided – especially that contained in our safety data and technical information sheets – and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

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.

Please use the LANXESS products safely. Always read the label and product information before use.

Note: Information contained in this publication is current as of March, 2026. Please contact LANXESS Deutschland GmbH respectively LANXESS Corporation to determine if this publication has been revised.

©2026 LANXESS.

Bioban, Kalama, Kathon, Neolone, Oxone, Purolan, Purox, Saltidin, Saltigo, Scopeblue, Solbrol, LANXESS and the LANXESS Logo are trademarks of LANXESS Deutschland GmbH or its affiliates. All trademarks are registered in many countries in the world.