

Product name:

Product code:

Pentylene glycol ECO, natural preservative
KON111

General identification data

Parameter	Value
Product color	Colorless
HS code	29053995
Grade	Cosmetic Grade
Processing method	Chemical synthesis
Origin of product	Natural
Storage conditions	Store in a dry and clean environment, Protect from direct sunlight, Protect from heat

Formulation parameters

Parameter	Value
Free from	parabens, preservatives, ethylene oxide (EO), formaldehyde and formaldehyde donors, sulfates, PEG, EDTA, phthalates, allergenic fragrance substances, palm oil-derived ingredients, silicones, alcohol
Formulation phase	Water phase, Post-addition
Function in formulation	Humectant, Preservative, Preservative booster
Compatibility	Anionic surfactants, Cationic surfactants, Nonionic surfactants, Amphoteric surfactants, Electrolytes, Alcohol, Fragrance, Preservatives, Acidic pH, Neutral pH, Alkaline pH
Application area	Face, Eye Area, Hair, Scalp, Body, Lips, Hands, Feet, Intimate care
Recommended processing temperature (°C)	<80
Recommended dosage range (%)	1,0 – 5,0 %
Recommended formulation pH range	3,0 – 9,0
Application	Skin care, Body care, Hair care, Lip care, Shower and bath products, Antiperspirants and deodorants, Intimate hygiene, Decorative cosmetics
Solubility	Water-soluble, Oil-soluble

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Formulation parameters	
Parameter	Value
Application type	Leave-on, Rinse-off
Effects	Hydration, Antimicrobial Effect
Suitable for	Sensitive skin, Dry skin, Oily skin, Problematic skin, Mature skin, Normal skin, Sensitive scalp, Baby skin, Acne-prone skin
Sustainability and certifications	
Parameter	Value
Biodegradability	Easily Biodegradable (OECD 301)
Regulation and Safety	
Parameter	Value
Allergens	The product does not contain food allergens., The product does not contain known skin allergens., The product does not contain any of the fragrance allergens listed in Annex III of Regulation (EC) No. 1223/2009, as amended, including Commission Regulation (EU) 2023/1545.
BSE/TSE	The product does not contain materials of animal origin and, due to the absence of animal-derived materials and the production process, contamination or cross-contamination with BSE/TSE can be excluded.
CITES	The product is not derived from endangered species listed in the CITES Appendices and therefore does not require CITES certification.
Product CMR classification	The product is not classified as carcinogenic, mutagenic, or toxic to reproduction (CMR) according to Regulation (EC) No. 1272/2008.
Ethylene oxide	Ethylene oxide is not used in the production process of this product.
GMO	The product has not been produced using genetically modified organisms (GMOs) as raw materials or GMO-derived processing aids and does not contain residues from GMO sources according to Regulations (EC) No. 1829/2003 and 1830/2003.
CLP classification	This substance is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP), and therefore a Safety Data Sheet (SDS) is not required for it under Article 31 of Regulation (EC) No 1907/2006 (REACH).

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Regulation and Safety	
Parameter	Value
Microplastics (EU 2023/2055)	This product does not contain intentionally added synthetic polymer microparticles pursuant to Commission Regulation (EU) 2023/2055.
Nanomaterials	Nanomaterials are not used in, added to, or generated during the manufacturing of this product in accordance with Regulation (EC) No. 1223/2009.
CMR ingredient content	The product does not contain any ingredients classified as carcinogenic, mutagenic, or toxic to reproduction (CMR).
VOC content	Volatile organic compounds (VOC) are not expected to be present in the product.
Treatment with ionising radiation	The product has not been treated with ionising radiation at any stage before, during, or after the production process.
Parabens	The product is free from parabens.
Pictograms	GHS05 Corrosive
Proposition 65	None of the components of this product are listed on the California Proposition 65 list.
REACH status	The product is registered according to Regulation (EC) No. 1907/2006 (REACH).
SVHC	The product is neither listed as a Substance of Very High Concern (SVHC) nor does it contain any material listed as an SVHC according to Article 59 of Regulation (EC) No. 1907/2006 (REACH).
Heavy metals	Relevant heavy metals are not expected to be present in the product above applicable limits.
Animal testing	The product has not been tested on animals for cosmetic purposes by or on behalf of the company.

The information contained in this document is provided in good faith and to the best of our current knowledge. It is supplied without warranty and does not constitute a guarantee of the product's suitability for any specific purpose.

The customer remains solely responsible for verifying the suitability, safety, and compliance of the product for the intended use and final application. Where necessary, appropriate testing should be carried out prior to use. All information is considered accurate at the time of issue; however, product details may be subject to change. Customers are therefore encouraged to keep their technical documentation up to date.

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