

TECHNICAL DATA SHEET

Effective date: 04.2025

PENTYLENE GLYCOL NAT

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Pentylene Glycol
Kind of Raw Material	Cosmetic Ingredient, Personal Care / Preservatives / Boosting agent
Description	Pure form, and a natural, low odour version of Pentylene Glycol (1,2-pentanediol) Emollient, Skin humectant, Antimicrobial agent, Multifunctional additive

TECHNICAL DATA

Physical parameters

Appearance	Clear liquid
Color	Colourless
Odor	Faint, almost odorless
Density	0,97-0,98
Refractive index	1,434-1,444
Natural Origin Index	1 (100%)

Chemical parameters

Total Aerobic microbial count	Max. 100 cfu/g
Total yeast and mould count	Max. 10 cfu/g
Pathogenic germs	Absence in 1 g

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	To be stored in closed vessels at room temperature, protected from direct light and humidity.
Shelf Life	Min 36 months in unopened container and when stored under proper conditions

LEGISLATION

CAS No.	5343-92-0
Regulatory Status	Product complies with Regulation (EU) No. 1223/2009 in all the defined

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	requirements.
GMO status	Product does not come from plants being or having been submitted to a program of genetic modification.
BSE/TSE	Produced in the absence of any animal derived material of any type. No contamination with BSE/ TSE Bovine Spongiform Encephalopathy risk materials is to be expected.
Nanomaterial statement	Not expected to contain any nanomaterial meaning an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm, as defined in Regulation (EC) No 1223/2009 on cosmetic products and the Commission Recommendation 2011/696/EU.
Gluten- Status	Not expected to contain gluten. The product can be considered as gluten-free as it does not contain ingredients derived from grain (e.g. wheat, rye or barley) or does not contain detectable levels of gluten.
Animal testing	For cosmetic purposes according to EC 1223/2009 no animal tests have been performed.
Information for Vegan Assessment	Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified.
Microplastics	The product does not contain any Microplastic according to Annex XVII to REGULATION (EC) No 1907/2006 Of The European Parliament And Of The Council and its amendments.
Irradiation	This product has not been subjected to irradiation.
Other Free from status	Volatile Organic Compound (VOC) as described in Directive 2004/42/CE, Dioxin, Formaldehyde, Phthalates, Ethanol
Allergens	This product does not contain any of the allergenic substances or compounds listed in Regulation (EC) No. 1223/2009 Annex III amended by EU Regulation 1545/2023
CMR-Status	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008 and its subsequent amendments.

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.