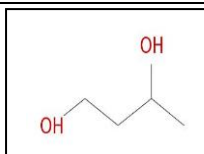


	Dossier technique et réglementaire / <i>Technical and regulatory document</i> <b>BUTYLENE GLYCOL QUALITE COSMETIQUE</b>	Mars 2024 / <i>March 2024</i>
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INCI: **Butylene glycol**  
N° CAS: 107-88-0  
N°EINECS/ELINCS: 203-529-7

**DESCRIPTION / DESCRIPTION:**

Butane 1,3-diol:  $C_4H_{10}O_2$  / 1,3-butandiol :  $C_4H_{10}O_2$

**CARACTERISTIQUES GARANTIES / GUARANTEED SPECIFICATIONS :**

CARACTERISTIQUES	SPECIFICATIONS	METHODES / METHODS
Pureté / <i>Purity</i>	$\geq 99.5 \%$	CG
Teneur en eau / <i>Water content</i>	$\leq 0.5 \%$	DIN 51 777 / ASTM D 1364
Acidité / (acide acétique) / <i>Acidity (acetic acid)</i>	$\leq 0.005\%$	DIN EN ISO 2114 / ASTM D1613
Cendre / <i>Ash</i>	$\leq 0.05 \%$	ASTM D2195
Sulfates (SO4)	$\leq 0.005 \%$	IC
Métaux lourds (Pb) / <i>Heavy metals (as Pb)</i>	$\leq 5 \text{ mg/kg}$	ICP
Arsenic / <i>Arsenic</i>	$\leq 2 \text{ mg/kg}$	ICP
Gamme distillation / <i>Distillation range</i>	203 – 209 °C	DIN 53171 / ASTM D1078
Couleur HAZEN / <i>HAZEN Color</i>	$\leq 10$	DIN EN 1557 / DIN EN ISO 6271 / ASTM D1209
Densité (20°C) / <i>Density (20°C)</i>	1.004 – 1.006	DIN EN 510757 / ASTM D4052
Indice de réfraction (20°C) / <i>Refractive index (20°C)</i>	1.4390 – 1.4410	DIN 51 423-2 / ASTM D1747

**Ces éléments seront repris sur nos BA / these elements will be on our CoA**

**CARACTERISTIQUES A TITRE D'INFORMATION / ADDITIONAL INFORMATION:**

Etat physique : liquide incolore / *Physical state : colourless liquid*  
Poids moléculaire / *Molecular weight* : 90, 12  
Point d'éclair / *Flash point* : 115 °C (Méthode / *Method* : ISO 2719)

**APPLICATIONS :**

Ingrédient cosmétique / *Cosmetic ingredient*


**CONDITIONNEMENT STANDARD / STANDARD PACKAGING :**

IBC de 1000 kg, Fût de 200kg, tonnelet 50 kg / *1000kg IBC, 200kg drum, 50 kg keg*

<b>Additives</b>	Additives, antioxydants, Aflatoxine, bisphénol A, benzyl alcool, BHA, BHT, chloroforme, DEG, MEG, ethylene oxide, halogen compounds, hormones, methanol, methylene chloride, nitrates, nitrosamines, nonylphenol, nonylphenol ethoxylates, parabens, PAH, steroids are not expected to be present in the product and not intentionally added. This product contains traces of acetaldehyde or other impurities (crotonaldehyde) in the technically unavoidable minimum. Analytical controls of the purified product consistently show values <0.5 mg/kg Traces of 1-butanol and ethanol are not measured, but the presence of these 2
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	Dossier technique et réglementaire / <i>Technical and regulatory document</i> <b>BUTYLENE GLYCOL QUALITE COSMETIQUE</b>	Mars 2024 / <i>March 2024</i>
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	impurities is very improbable, considering the manufacturing and purification process		
<b>Allergen</b>	Food allergens listed in annex III of regulation 1169/2011/EC and cosmetics allergen listed in the annex III in the regulation 1223/2009/CE and amendments are not expected to be present in this product.		
<b>Animal Testing</b>	This product has not been subject of animal testing or retesting animal for cosmetic purposes		
<b>BSE - Bovine Spongiform Encephalopathy</b>	No BSE risks. No raw materials are obtained from animal origin or involving animal derived materials.		
<b>California Prop 65</b>	This product doesn't contain substances listed in California Prop. 65 in sizable amounts. Acetaldehyde is listed in California Prop. 65, but doesn't have a defined lower threshold. Based on process knowledge, very small trace amounts of acetaldehyde could be present in the final product.		
<b>Carcinogenic, Mutagenic and Reprotoxic (CMR)</b>	CMR substances are not expected to be present. Formaldehyde (CAS:50-00-0) is a prohibited substance according to international regulation (1272/008/CE) and is not intentionally present in the raw material. Although not expected an according to the manufacturing process, the presence of formaldehyde is technically unavoidable		
<b>Composition</b>	Component	CAS - No	Concentration % (w/w)
	1,3 butylene glycol	107-88-0	99.79
	2-ethyl 1,3butanediol	66553-17-1	0.04
	1,3-dioxane-2-ethanol, $\alpha$ , 4-dimethyl	96948-63-9	0.08
	Crotonaldehyde	4170-30-3	< 0.5 mg/kg
	Acetaldehyde	75-07-0	< 0.5 mg/kg
	Water	7732-18-5	0.05
<b>Cosmetic</b>	Substances listed in annexes II through VI of regulation 1223/2009/EC and its amendments are not intentionally added nor expected to be present in this product.		
<b>Cosmos / Ecocert</b>	This product synthetic is not accepted by Cosmos		
<b>Danger</b>	This product is not classified as dangerous in accordance with CLP and not regulated for ADR		
<b>Dioxane</b>	Dioxin, 1,4-dioxan, 2,4-dioxane are not expected to be present in the product and not intentionally added		
<b>Ecolabel</b>	<i>No data available</i>		
<b>European Pharmacopeia</b>	<i>No data available</i>		
<b>Food</b>	This product doesn't come into contact with the main food allergens (peanuts, tree nuts, fish, eggs, milk, soy, wheat, etc), and this includes any direct or sub-direct ingredients or processing aid used to manufacture the product		
<b>Genetically Modified Organisms (GMO)</b>	This product is not based on raw materials and GMO are not used during the manufacturing process. The product doesn't fall under the scope of regulation 1829/2003/EC, 2001/18/EC, and its amendments including 1830/2003/EC		
<b>Inventories</b>	Compliant with China IECSC, USA TSCA, New Zealand NZIoC, Japan ENCS, Korea KECl, Philippines PICCS, Australia AICS, Canada DSL		
<b>Geographic origin (for plant)</b>	Not concerned		
<b>Glycol ether</b>	Glycol ether is not expected to be present in the product and not intentionally added		
<b>Halal</b>	This product is not Halal certified		
<b>Heavy Metals</b>	Heavy metals (as Lead, Cadmium, Arsenic and mercury) are not expected to be present in the product and not intentionally added, even though their absence is not analyzed on a regular basis. This product contains < 5 ppm of heavy metals contamination based on results from periodic testing.		
<b>HS code</b>	29053920		
<b>Irradiation / ionization</b>	No ionizing irradiation are used during the manufacturing/refining process of the		

	Dossier technique et réglementaire / <i>Technical and regulatory document</i> <b>BUTYLENE GLYCOL QUALITE COSMETIQUE</b>	Mars 2024 / <i>March 2024</i>
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	product
<b>Kosher</b>	This product is not Kosher certified
<b>Latex</b>	Not expected to be present
<b>Manufacturing location</b>	USA
<b>Microbiological data</b>	Microbiological contaminants are not expected to be present in the product
<b>Nanomaterials</b>	No nanomaterials are used in the manufacturing process of the product
<b>Nutritional data</b>	<i>No data available</i>
<b>Origin</b>	100% petrochemical
<b>Pesticide</b>	Insecticide and pesticide is not expected to be present in the product and not intentionally added.
<b>Phthalate</b>	Phthalates are not expected to be present in the product and not intentionally added
<b>Preservative</b>	Preservatives are not intentionally added during the production of this product
<b>Process</b>	Acetaldehyde → Aldolization and reduction from di-hydrogen (H <sub>2</sub> ). A distillation and a post-purification ensured the quality of this product. The chemical synthesis of this product starts from acetaldehyde (CAS: 75-07-0). The synthesis takes place as a large-scale industrial process in dedicated equipment. The synthesis of this product has been optimized to yield a substance of very high purity that only contains acetaldehyde or other impurities in the technically minimum. Analytical controls of the purified product consistently show values below 0.5 mg/kg
<b>REACH</b>	This product is registered 01-2119455875-25
<b>Residual Solvents</b>	Residual solvents are not expected to be present in the product and not intentionally added.
<b>RSPO</b>	This product is not expected to contain palm oil, palmist oil and their derivatives
<b>Shelf Life</b>	12 months
<b>Substances of Very High Concern (SVHC)</b>	<i>No data available</i>
<b>Volatiles organic compounds (VOC)</b>	Based on its boiling point of 209°C at 101,3 kPa, this product itself is a VOC according to the European directive 2004/42/EC which defines a VOC as any organic compound having an initial boiling point less than or equal to 205°C measured at a standard pressure of 101.3 kPa. This product is listed in the US Clean Air Act Section 111 (40 CFR 60.489)

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Ce document annule et remplace tous documents techniques et réglementaires précédents / *This document cancels and replaces all technical and regulatory previous documents.*