

1,3 BUTYLENE GLYCOL CQ

BASIC INFORMATION

A yellow circle with a white number "1" inside, surrounded by a blue and white striped border.

1

DISCOVER 1,3 BG CQ

The multifunctional and natural choice for beauty

INTRODUCTION

OXEA's 1,3 Butylene Glycol Cosmetic Quality (short form: 1,3 Butylene Glycol CQ or 1,3 BG CQ) is a high purity, slightly viscous, water-clear and colorless liquid. Due to the product properties, 1,3 BG is best suited for cosmetic formulations in skin care, make-up, hair care, antiperspirant/deodorant, sun care, nail care as well as toiletries and fragrances.

OXEA is committed to a manufacture without genetically modified organisms and without food-related raw materials. In addition, the product is well-suited for the production of natural cosmetic extracts and pre-formulations of cosmetic relevance.

Whether for skin care, make-up or fragrances – 1,3 Butylene Glycol CQ is manufactured in tightly controlled and steadily improved synthetic processes based on OXEA's sophisticated know-how built over decades of production experience. Product quality is regularly monitored and assessed by highly trained professionals of OXEA's Analytical Department.

Find out more about the product specifications, areas of application of 1,3 BG in this brochure! Talk to us if you have any questions.

PRODUCT DESCRIPTION

Due to its balanced property profile, 1,3 Butylene Glycol CQ is broadly used in a multitude of cosmetic formulations as a humectant, emollient, skin moisturizer, solvent, solubilizer, carrier, viscosity modifier, fragrance release retarder and film-forming additive.

1,3 BG is completely soluble in Ethanol, n-Propanol, iso-Propanol, Propylene Glycol, Methylpropanediol, Glycerol, Ketones or Esters. Additionally, it is completely water-soluble and may be conveniently added directly to the aqueous phase of water-based cosmetic formulations.

SALES SPECIFICATION

Find out more about the sales specification in this chapter. All Sales Specification Parameters are also listed in the Product Quality Report (PQR). If you have any questions, feel free to contact our colleagues in the different areas.



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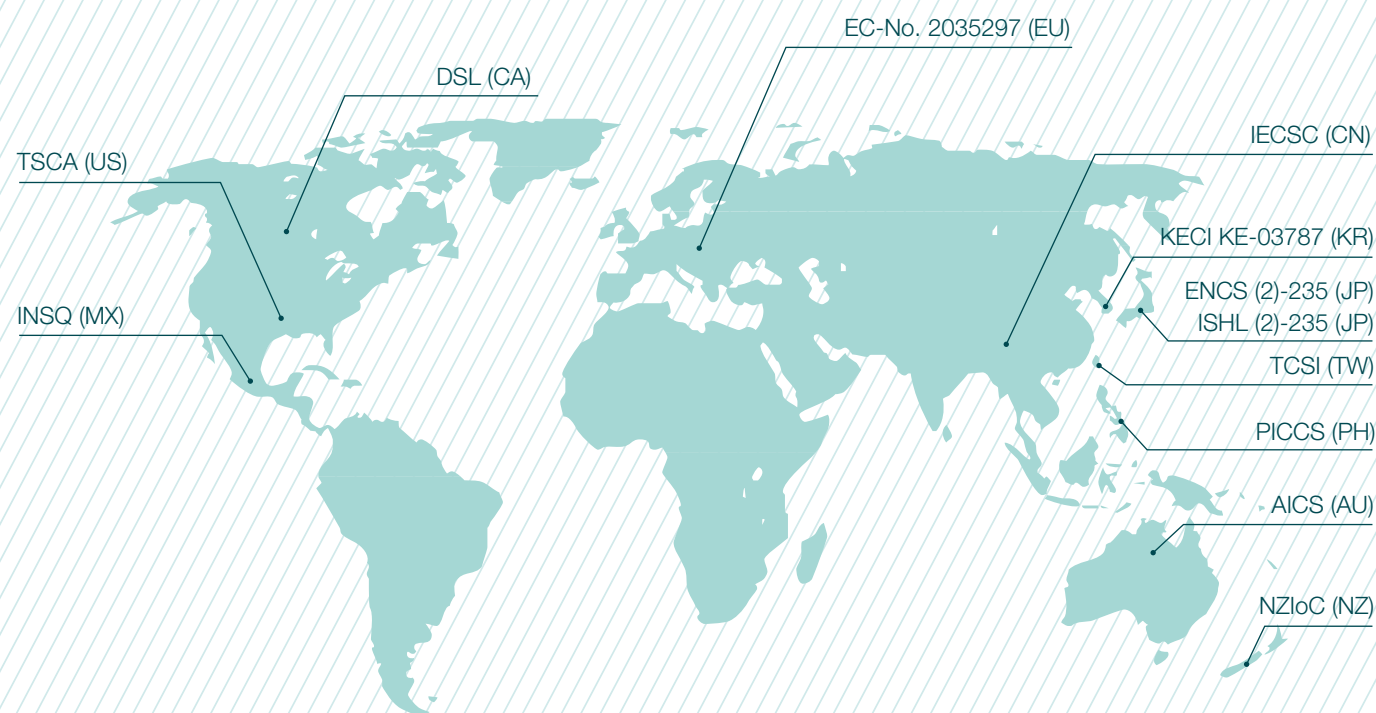
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Basic information

INCI name	Butylene Glycol
CAS Number	107-88-0
1,3 Butylene Glycol CQ is available in the following packages	<ul style="list-style-type: none"> · UN 1H1/Y1.9/150 55-Gallon HDPE Drums · DOT 111A100W1 Tank Cars Lined · DOT MC 307 or DOT 407 Tank Trucks · Ship Tank and Barge

International inventories



Detailed sales specification

Property	Limit	Unit	Test method
1,3 Butylene Glycol CQ	min. 99.5*	% (w/w)	Gas chromatography
Water	max. 0.5*	% (w/w)	DIN 51 777 tec./ASTM D 1364
Acidity, as Acetic Acid	max. 0.005*	% (w/w)	DIN EN ISO 2114/ASTM D 1613
Ash	max. 0.05	% (w/w)	ASTM D 2195
Sulfates, as SO ₄	max. 0.005	% (w/w)	IC
Heavy Metals, as Lead (Pb)	max. 5	mg/kg	ICP
Arsenic	max. 2	mg/kg	ICP
Distillation Range (95%)	max. 203 – 209	°C	DIN 53171/ASTM D 1078
Initial Boiling Point	min. 200	°C	DIN 53171/ASTM D 1078
Final Boiling Point	max. 215	°C	DIN 53171/ASTM D 1078
Platinum/Cobalt Color (Hazen/APHA Color)	max. 10*		DIN EN 1557/DIN EN ISO 6271/ASTM D 1209
Specific Gravity at 20/20 °C	1.004 – 1.006*		DIN EN 510757, Meth. D/ASTM D 4052
Refractive Index at 20 °C	1.4390 – 1.4410		DIN 51 423-2/ASTM D 1747
Odor	Odor less		OL 1462
Appearance	Clear liquid with no suspended matter*		Visual examination

*Sales specification for 1,3 Butylene Glycol CQ.





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Trade Register
Amtsgericht Düsseldorf HRB 79958

VAT-Identification Number:
DE813758906

Layout

vE&K Advertising agency
Essen

Photography credits

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