



TECHNICAL SHEET

PROPYLENE GLYCOL

E Ph GRADE

Last revision 2018

Chemical Name: Molecular formula: C₃H₈O₂
No. CAS: 57-55-6
Abbreviation: PG –E Ph

General Description:

Propylene Glycol E Ph Grade is a clear, viscous, colorless, hygroscopic liquid, with a characteristic odor. The product is very easily soluble in alcohol, water, acetone and chloroform.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Propylene Glycol, min	%	99.5	ILL-003/3-14
Identification:			
- relative density ,d ₄ ²⁰	-	1.035-1.040	E Ph 8:2014 it.2.2.5.
- refraction index, n _D ²⁰	-	1.431–1.433	E Ph 8:2014 it. 2.2.6.
- boiling point	°C	184 - 189	E Ph 8:2014 it. 2.2.12.
- melting point	°C	121 - 128	E Ph 8 2014: 0430 – D it. 22.14
Appearance	-	clear, colorless liquid	E Ph 8:2014 it. 2.2.1 E Ph 8:2014 it. 2.2.2. method II
Acidity , max	ml NaOH 0,1M	0.05	E Ph 8:2014: 0430
Oxidizers, max	ml Na ₂ S ₂ O ₃ 0,05M	0.2	E Ph 8:2014: 0430.
Reducers	-	complies	E Ph 8:2014: 0430
Heavy metals, max	ppm	5	E Ph 8:2014 it .2.4.8.
Water, max	%	0.2	E Ph 8:2014 it .2.5.12
Sulphate ash	%	0.01	E Ph 8:2014 it .2.4.14

Specific Properties:

Ignition temperature	99 °C
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The specific properties present approximate values and contain general information, without being part of the technical quality conditions.



S.C. CHIMCOMPLEX S.A. BORZEȘTI - ROMÂNIA

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Main Applications:

Propylene Glycol E Ph Grade is used as feedstock in cosmetic and pharmaceutical industries:

Packing and storage:

Propylene Glycol E Ph Grade is packed in stainless steel tanks, carbon steel drums provided with proper inner protection and polyethylene packagings of different capacities, tightly sealed.

It is stored in tightly closed containers under nitrogen blanket, in cold, dry, ventilated places, away from heat, moisture, UV rays and incompatible materials. The recommended storage temperature is between 15-30 ° C. Generally it is recommended that the temperature does not exceed +40° C.

Safety Considerations:

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in SDS and on the product label.

Attention:

Please contact CHIMCOMPLEX BORZESTI-Ramnicu Valcea Branch to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of non-compliance with the information provided herein.