

POLYPROPYLENE GLYCOL

Last revision 2008

Chemical Name: Mixture of mono, di and tri-propylene glycol

Abbreviation: PPG

General Description:

Polypropylene Glycol is a mixture of mono, di and tri-propylene glycol, obtained in the synthesis conditions of the monopropylene glycol, as a still product, being further distilled for purification.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Appearance	-	clear liquid, colorless to soft yellowish, without mechanical impurities	visual
Monopropylene glycol, max	%	15	ILL-033/3-01-07
Water (Karl-Fischer), max.	%	1	ASTM E 203
Acidity (CH ₃ COOH), max.	%	0.01	ASTM D 1613

Specific Properties:

Density at 20°C, g/cm ³	1.025
Boiling point (range)	190-230°C at 760 mmHg pressure
Ignition temperature	126.7°C
Flammability	Not flammable

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

Main Applications:

- hydraulic liquids preparation
- industrial cooling liquids

Shipping Information:

- 20 or 40 tons, carbon steel or stainless steel tanks, inner covered, or in other clean and dry packaging of stainless steel or aluminum.



Storage:

Polypropylene Glycol is stored in special arranged, shed type, with concreted platform.

In case of storage in reservoirs, a light overpressure with indifferent gas should be created, in order to avoid moisture (the product is hygroscopic).

Safety Considerations:

Please refer to the product Material Safety Data Sheet (MSDS) offering customers help to better satisfy their particular handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations.

Warning:

Slight fire hazard when exposed to heat or flame. Heat from fire can generate flammable vapor.

When mixed with air and exposed to ignition source, vapor can burn in open or explode if confined. The vapor is heavier than air and will accumulate in low area.

Attention:

Information contained in this document is provided to the best of our knowledge and experience.

Please contact OLTCHIM to see if the document has been revised.

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.