

Propylene Glycol technical grade (MPG)

TECHNICAL DATA SHEET

No: 001256/12/2022

PRODUCT NAME: PROPYLENE GLYCOL**CAS:** 57-55-6**REACH:** 01-2119456809-23-XXXX**APPEARANCE :** Viscous, colorless, clear liquid**PACKING:** 220l drum, 1000l IBC, 24MT bulk

1. Technical quality conditions

Parameter	Unit	Specification	Test Methods
Purity (MPG)	[wt.%]	min. 99.5	ILL-003/3-14
Color	[Hazen units]	max. 10	SR ISO 2211
Water (Karl-Fischer)	[wt.%]	max. 0.25	ASTM E 203
Acidity (as acetic acid)	[wt.%]	max. 0.005	ASTM D 1613
Ash	[wt.%]	max. 0.01	ILL-003/3-15
Distillation range (95% vol.)	[°C]	185 - 189	ASTM D 1078

2. Specific properties:

Parameter	Unit	Specification
Density at 20°C	[g/cm ³]	1.037
Boiling point at 760 mmHg	[°C]	188.2
Ignition temperature	[°C]	99
Flammability	[-]	Not flammable

3. General description:

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

4. Main applications:

- as glycerin substitute in fine organic synthesis;
- manufacturing of hydraulic fluids, antifreeze solution;
- manufacturing of polyethers, printing ink, plasticizers, demulsifiers, antifoamers;
- manufacturing of cellophane.

5. Packing and storage:

Propylene Glycol is packed in stainless steel or carbon steel tanks with proper inner protection, with a capacity of 20 or 40 tons, property of supplier or customer, or in other stainless steel or aluminum, clean and dry containers.

It is stored in specially designed, shed-type storage facilities, with a concrete platform. In the case of storage in reservoirs, a slight overpressure with inert gas should be created to avoid moisture infiltration (the product is hygroscopic).

6. Safety considerations:

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

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

Prepared by

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