



## TECHNICAL DATA SHEET

### Propylene Glycol

**Chemical name:** Propylene Glycol; 1,2-propanediol

**Molecular formula:** C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>

**Relative molecular weight:** 76.09    **CAS NO.:**57-55-6

**Index of quality:**

#### TECH GRADE:

Item	Specification
Appearance	Colorless, Viscous, transparent liquid
Content, %	99.5min
Color (Pt-Co)	10max
Moisture, % ≤	2000ppm max
density (20/20°C) g/cm <sup>3</sup>	1.035~1.039
Index of refraction n <sub>D</sub> <sup>20</sup>	1.430-1.434
Acidity, ≤	0.02%max
Distillation range °C	184~190
HMI(AS PB CD CR HG)PB	5PPM

# DECACHEM DOO, Novi Sad, Serbia

Address: Lozionicka 14/9, 21000 Novi Sad, Serbia ;  
PIB: 113353206    Matični broj: 21851396

[Http://www.decachem.com](http://www.decachem.com)



Phones: +381 63 658 074 / +381 64 27 54 268

Email: [info@decachem.com](mailto:info@decachem.com)

## USP GRADE:

Item	Specification
Appearance	Colorless, Viscous, transparent liquid
Content, %	99.8min
Color (Pt-Co)	5max
Moisture, % ≤	500ppm max
density (20/20°C) g/cm <sup>3</sup>	1.035~1.039
Index of refraction n <sub>D</sub> <sup>20</sup>	1.431-1.435
Acidity, ≤	0.01%max
Distillation range °C	184~190
Iron	0.5ppm max
Sulfate	10ppm max
Chloride	0.5ppm max
Heavy metals(Pb)	5ppm max
Residue on ignition	2.5 mg max
As	2ppm max

**Uses:** Propylene glycol can be used as a raw material for unsaturated polyester resins. It can be used as a wetting agent in cosmetics, toothpastes and soaps with glycerin or sorbitol. It is used as a humidity control and hair leveling agent in hair dyes, and also as an antifreeze. It is also used in cellophane, plasticizers and the pharmaceutical industry.

**Packing:** In 215kg drums, Packed in flexitank, ISO TANK or on the client's requirements.

**Storage:** store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

# DECACHEM DOO, Novi Sad, Serbia

Address: Lozionicka 14/9, 21000 Novi Sad, Serbia ;  
PIB: 113353206    Matični broj: 21851396

[Http://www.decachem.com](http://www.decachem.com)



---

Phones: +381 63 658 074 / +381 64 27 54 268

Email: [info@decachem.com](mailto:info@decachem.com)

Decachem

**DECACHEM**  
LETS GROW!