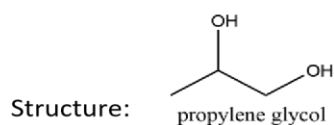


TECHNICAL DATA SHEET

IUPAC Name:	1,2-Propanediol
Synonyms:	Propane-1,2-diol; Propylene glycol, 1,2-Propanediol, Propane-1,2-diol, Propylene glycol
MF:	C ₃ H ₈ O ₂
MW:	76.09

Specification:

CAS No.: 57-55-6
EINECS: 200-338-0
FEMA: 2940



Colorless transparent liquid, It is relatively non-toxic but is a mild irritant and defatting agent. PG is combustible but not flammable at room temperature.

Boiling point	187°C(1 atm)
Distillation range	184-189 °C Specific gravity:1.038(20°C/20°C)
Refractive index n ₂₀ /D(20°C)	1.4310-1.4340
Viscosity(25°C)	48.5 mPa.s Surface
Tension(25°C)	36 mN/m
Flash Point	104°C(close cup)
Auto ignition temp	371 °C

Standard: USP

Appearance	Colorless viscous liquid
Color (APHA)	5 Max
Moisture	0.1% max
Refraction index	1.431-1.435
Specific gravity (25°C)	1.035-1.038
Distillation range	184-189 °C
Acidity (As acetic acid)	0.01 max
Assay	99.5%min

Applications:

- 1- Unsaturated Polyester resin and Alkyd Resins.
- 2- Urethanes.
- 3- Coolant and Anti-Freeze.
- 4- Air Craft Deicing Fluids.
- 5- Hydraulic and Break Fluid Heat.
- 6- Transfer Fluids.
- 7- Paint and Coatings Pharmaceuticals Detergents and plasticizers.



8- Other Applications: Resins, food, cosmetics and feed industry.

Packing and Storage and handling:

- In steel or galvanized Drums of 215kg net or 1000KG IBC packing.
- (Container load of 20 feet is 80 drums palletized) 22MT per Flexi Tank.
- 23MT per ISO TANK (24 Cubic meters)
- At ambient temperature, in sealed containers, shelf life up to one year.
- Away from source of ignition, direct sunlight, keep the place dry and well ventilated.