

# PGI(Propylene Glycol Industrial Grade)



## Product Overview

Propylene Glycol Industrial Grade (PGI) from Dow is an important intermediate in the production of alkyd resins unsaturated polyester for paints and varnishes. It is the preferred propylene glycol for manufacturing high-performance, resins for many uses such as:

- Reinforced plastic laminates for marine construction
- Gel coats
- Sheet molding compounds (SMC)
- Synthetic marble castings

Propylene glycol is also used as a solvent in printing inks, as a preservative in floral arrangements, and as a stabilizer in hydraulic fluids.

## Applications

[Unsaturated Polyester Resins\(UPR\)](#)

[Urethanes](#)

[Coolants and Antifreeze](#)

[Aircraft Deicing Fluid](#)

[Hydraulic and Brake Fluid](#)

[Heat Transfer Fluids](#)

[Paint and Coatings](#)

[Other Applications](#)

## Packaging

PGI is available from Dow in various quantities. Please contact us for details on availabilities in your region

## Physical Properties\*

Physical Properties	Units	Propylene Glycol Industrial Grade (PGI)
Chemical Name	-	1,2-propanediol
Formula	-	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>
CAS Number <sup>1</sup>	-	57-55-6
EINECS Number	-	200-338-0
Molecular Weight	g/mol	76.1
Boiling Point	760 mm Hg, Â°F	369.3
	760 mm Hg, Â°C	187.4
Vapor Pressure	mm Hg, 77Â°F (25Â°C)	0.13
Evaporation Rate	(n-Butyl Acetate = 1)	1.57E-02