

Glycerol,**PG-4580-1L**

Glycerol (glycerin) is a clear, colorless, odorless, viscous liquid with hygroscopic properties. It is a trihydroxy alcohol widely used as a humectant, solvent, and stabilizer in pharmaceuticals, cosmetics, food, and industrial applications. It is safe, water-soluble, and helps retain moisture in various formulations.

Parameter	Details
Product Name	Glycerol (Glycerin)
Description	A trihydroxy alcohol widely used as a humectant, solvent, and intermediate in pharmaceutical, cosmetic, food, and industrial applications
Appearance	Clear, colorless, viscous, odorless liquid
Formula	$C_3H_8O_3$
Solubility	Completely miscible with water and ethanol; slightly soluble in acetone
pH (1% Solution)	Approximately 5.5–8.0)
CAS Number	56-81-5
Storage Condition	Store in a tightly closed container in a cool, dry place. Protect from moisture and excessive heat
Applications / Uses	Used in pharmaceuticals, cosmetics, personal care products, food industry, chemical synthesis, and as a humectant, solvent, and plasticizer

Safety

Glycerol is generally considered safe and non-toxic. Avoid direct contact with eyes and prolonged skin exposure. In case of contact, rinse with plenty of water. Use standard laboratory hygiene practices, such as wearing gloves and protective eyewear. Store in a cool, dry place in a tightly closed container away from strong oxidizing agents.