



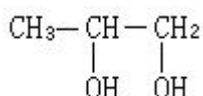
山东石大胜华化工集团股份有限公司  
Shandong Shida Shenghua Chemical Group Co., Ltd.

## TECHNICAL DATA SHEET

### Propylene glycol USP Grade

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

**Composition Structure:**



**Relative molecular mass:** 76.09

It is a colorless liquid with steady viscosity and good water absorption. It is nearly odorless, inflammable and minutely toxic. Its viscosity (20℃), specific heat capacity (20℃) and latent heat of vaporization (101.3kpa) are respectively 60.5mpa.s, 2.49KJ/(kg. °C) and 711KJ/kg. It can be mixed and solved with alcohol, water and various organic agents.

PG USP grade can be used in cosmetics, perfume, animal food, detergent, antiseptic for fruit, coolant in food and moisture preserving agent for tobacco etc.

**Specifications:** (It conforms to the Quality System Standard: ISO9001: 2000)

Item	USP
PG content % ≥	99.8
Color (Pt-Co) No. ≤	10
Water % ≤	0.10
Acidity mmol/100g ≤	0.01
Specific Gravity d2020	1.035~1.039
Refractive Index nD20	1.431-1.435
Distillation range(IBP-DP) °C	184~190
Iron ppm ≤	0.5
Sulfate ppm ≤	10
Chloride ppm ≤	0.5
Heavy Metals(Pb) ppm ≤	5
Residue on Ignition ppm ≤	20
Appearance	Colorless, Viscous, transparent liquid

**Packing, Storage and Transportation:**

It can be packed by ISO tank, drum, IBC or flexitank etc.

It should be stored in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances, protected from moisture.

It can be transported as a general chemical product.