



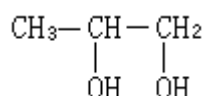
山东石大胜华化工集团股份有限公司
Shandong Shida Shenghua Chemical Group Co., Ltd.

TECHNICAL DATA SHEET

Propylene glycol Ultra-Pure Grade

Molecular formula: C₃H₈O₂

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°C), specific heat capacity (20°C) 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 ULTRO-PURE grade can be used in medicine, cosmetics, perfume, animal food, detergent, antiseptic for fruit, coolant in food and moisture preserving agent for tobacco and as food additive etc.

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

Item	Ultra-Pure Grade
PG content % ≥	99.8
Color (Pt-Co) No. ≤	10
Water ppm ≤	0.1
Acidity mmol/100g ≤	0.01
Specific Gravity d2020	1.035~1.039
Refractive Index nD20	1.431-1.435
Distillation range(IBP-DP) °C	186~189
Iron ppm ≤	0.5
Sulfate ppm ≤	10
Chloride ppm ≤	0.5
Heavy Metals(Pb) ppm ≤	2
Residue on Ignition ppm ≤	20
Ethylene Glycol	0
Diethylene Glycol	0
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.

