

1. DESIGNATION

Chemical name	:	PROPYLENE GLYCOL
CAS No.	:	57-55-6
EC no.	:	200-338-0
Origin	:	vegetable
Qualifications	:	Ecocert; Halal

2. SPECIFICATIONS

<u>CHARACTERISTICS (CoA)</u>	<u>UNITS</u>	<u>VALUES</u>	<u>METHODS</u>
Oxidising substances	None	conform	Eur.Ph.
Reducing substances	None	conform	Eur.Ph.
Residue on ignition	mg/kg	≤ 70	USP-NF 281
Chloride	ppm	≤ 70	USP-NF 221
Sulfate	ppm	≤ 60	USP-NF 221
Heavy metals	mg/kg	≤ 5	ICP-OES
Refractive Index at 20°C	None	1.431 - 1.433	Eur.Ph.
Colour APHA	None	≤ 10	ISO 2211
Acidity / ml 0,1 N NaOH	ml	≤ 0.2	USP-NF
Acidity as Acetic Acid	%(m/m)	≤ 0.005	Oleon PRG05D
Water	%(m/m)	≤ 0.20	USP-NF
Specific gravity at 25/25°C	None	1.035 - 1.037	USP-NF
Ethylene glycol (GC)	%	≤ 0.10	Oleon PRG68
Propylene glycol (GC)	%	≥ 99.50	Oleon PRG68
Diethylene glycol (GC)	%	≤ 0.10	Oleon PRG68
Specific gravity at 20/20°C	None	1.037 - 1.039	ASTM D891
<u>CHARACTERISTICS (guaranteed)</u>			
Odour at room temperature	None	conform	Oleon PRG07
<u>PROPERTIES (indicative values)</u>			
Flash point	°C	ca. 102	
Self ignition temperature	°C	ca. 371	
Viscosity	at 20°C	mPa.s	ca. 58

3. PROVISIONS

STANDARD PACKAGING

Bulk (RTC, as liquid).
Drums.
IBC (sq. liquabin).

TOTAL SHELF LIFE

24 months in sealed drums or IBC's; 12 months in bulk.

COMPLIANCY NOTICE

This product complies with the component's monograph as described in the current edition of the European Pharmacopoeia (Ph. Eur.).

This product complies with the component's monograph as described in the current edition of the US Pharmacopoeia (USP-NF). Listed as GRAS substance (Generally recognized as safe) under CFR Title 21 Part 184 (\$184.1666).

SAFETY & REGULATORY DATA

Please refer to the relevant Safety Data Sheet for more information.

STORAGE RECOMMENDATIONS

Protect from air, humidity and light.

The shelflife is guaranteed provided the goods are stored in original closed drums/liquabins stored at room temperature (for packed materials); or in stainless steel containers/tanks, in dark and at a temperature below 40°C (for bulk material).

MAIN APPLICATION(S)

Cosmetics, personal care products.

Home care products.

Industrial processings & uses.

Not intended for use in food, feed or pharmaceuticals.