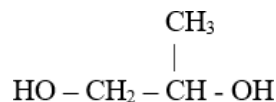


Product Name

PROPYLENE GLYCOL - BP


Product Description

Propylene Glycol – British Pharmacopoeia Grade meets the requirement of the British Pharmacopoeia. It is a clear, colourless liquid, used as a solvent in the extraction of crude drugs. It is also used in liquid preparations in pharmaceutical industry.

Applications

A solvent for flavors, extracts, drug and food antioxidants; a heat transfer medium; an emollient and humectant and plasticizers for tobacco products, baked foods, coconut, cellophane, adhesives and paper products. It is used as an inhibitor of fermentation and mold growth.

Specifications (as per IS: 13702-1993)

S.No	Characteristics	Unit	Specification
1	Description	--	Clear, Colorless, Slightly viscous liquid practically odourless and hygroscopic liquid with low vapour pressure
2	Solubility	--	It is soluble and miscible with water, Ethanol(95%), Acetone and Chloroform
3	Identification A) relative density @ 20°C B) refractive index @ 20°C C) Boiling point D) Crystals Melting point	-- °C °C	 1.035 to 1.040 1.431 to 1.433 184 to 189 123 to 128
4	Acidity	--	NMT 0.05ml of 0.1 M Sodium hydroxide is required
5	Relative density at 20°C	--	1.035 – 1.040
6	Refractive index at 20°C	--	1.431 – 1.433
7	Heavy metals	ppm	NMT 5
8	Oxidising substances	--	NMT 0.2ml of 0.05 M sodium thiosulphate is required.
9	Reducing substances	--	The solution does not change its appearance
10	Sulphated ash	% w/w	NMT 0.01 determined on 50g
11	Water	% w/w	NMT 0.2 determined on 5g
12 *	Additional test Purity as C ₃ H ₈ O ₂	% w/w	99.5 Minimum

This specification is as per B.P. * This is an additional requirement as per USP.

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Packaging Size

215 Kg

**Storage
and
Handling**

PROPYLENE GLYCOL – BP is stable over long periods of storage. is stable over long periods of storage. Store in a room temperature, well ventilated area in sealed containers. Store away from strong oxidizing agent or combustible material. Keep away from UV light as this may adversely affect the quality. Shelf life: 5 years

**Health and
Safety Advice**

PROPYLENE GLYCOL – BP should present no unusual health problems when used in manufacturing operations where satisfactory standards of personal and industrial hygiene are maintained. Precautions should be taken to avoid exposure to the eye or prolonged contact with the skin.

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