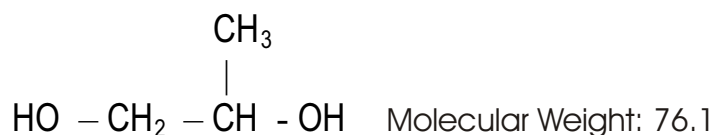




+++++ TECHNICAL DATA SHEET

PROPYLENE GLYCOL USP



**DESCRIPTION**

Propylene Glycol - United States Pharmacopoeia (USP) grade meets the requirement of the Indian Pharmacopoeia.. Propylene Glycol I.P. 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. A solvent for flavours,extracts,drug and food anti-oxidants; a heat transfer medium; an emollient and humectant and plasticizers for tobacco products, baked foods, coconut, cellophane, adhesives and paper products.

**SALES SPECIFICATION**

S.NO	CHARACTERISTICS	UNIT	SPECIFICATION
1	Description	--	Clear, colourless,Viscous liquid, Practically Odourless, Hygroscopic.
2	Solubility	---	Miscible with water, ethanol (95%), acetone and chloroform.
3	Identification A, B & C	---	To meet IP requirements.
4	Acidity	---	NMT 0.05 ml of 0.1 M Sodium Hydroxide is required
5	Clarity and Colour	---	Clear and colourless
6	Boiling Range	°C	184 -189
7	Relative Density @ 25°C	---	1.035 - 1.040
8	Refractive Index @ 20°C	---	1.431 - 1.433
9	Heavy Metals	---	NMT 5ppm (Method D)
10	Oxidising substances	---	NMT 0.2ml of 0.05M Sodium thiosulphate is required
11	Reducing substances	---	To meet IP requirements
12	Other Glycols	---	No peaks corresponding to ethylene glycol and diethyleneglycol are obtained
13	Sulphated ash	% w/w	NMT 0.01, determined on 50g
14	Water	% w/w	NMT 0.2, determined on 5g.
15	* Assay as propylene glycol C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> by GLC	% w/w	NLT 99.5

(The above specification is as per IP - 1996) : \* This is an additional requirement as per U.S.P

**PACKING SIZE:** 215 kg Nett.

**STORAGE AND HANDLING**

PROPYLENE GLYCOL USP is stable over long periods of storage. Store in dry cool locations. Being an hygroscopic material it should be kept air tight.

**SHELF LIFE : 5 YEARS**

**Warning :** The information in this data sheet is believed to be accurate but all recommendations are made without warranty since the conditions are beyond the company's control. MPL disclaims any liability in connection with the use of information, and does not warrant against infringement by reason of the use of any of its products in combination with other materials or in any process.