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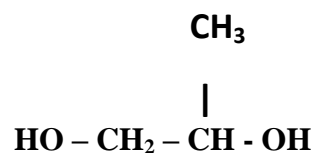
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MANALI
PETROCHEMICALS

PRODUCT DATA SHEET

PROPYLENE GLYCOL - BP



PROPYLENE GLYCOL - BP

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. A solvent for flavors, 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. It is used as an inhibitor of fermentation and mold growth.

SALES SPECIFICATION

| Characteristics | Unit | Specification |
|-----------------|------|---|
| Description | -- | Clear, Colorless, Slightly viscous liquid practically odourless and hygroscopic liquid with low vapour pressure |
| Solubility | -- | It is soluble and miscible with water, Ethanol(95%), Acetone and Chloroform |
| | -- | |

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| Identification | | |
|--|-------|--|
| A) relative density @ 20 °C | °C | 1.035 to 1.040 |
| B) refractive index @ 20 °C | °C | 1.431 to 1.433 |
| C) Boiling point | | 184 to 189 |
| D) Crystals Melting point | | 123 to 128 |
| Acidity | -- | NMT 0.05ml of 0.1 M Sodium hydroxide is required |
| Relative density at 20 °C | -- | 1.035 – 1.040 |
| Refractive index at 20oC | -- | 1.431 – 1.433 |
| Heavy metals | ppm | NMT 5 |
| Oxidising substances | -- | NMT 0.2ml of 0.05 M sodium thiosulphate is required. |
| Reducing substances | -- | The solution does not change its appearance |
| Sulphated ash | % w/w | NMT 0.01 determined on 50g |
| Water | % w/w | NMT 0.2 determined on 5g |
| *Additional test | % w/w | 99.5 Minimum |
| Purity as C ₃ H ₈ O ₂ | | |

This specification is as per B.P.

* This is an additional requirement as per USP.

PACKING SIZE: 215 kg Nett

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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

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