

**+++++ TECHNICAL DATA SHEET****PROPYLENE OXIDE PLANT I****DESCRIPTION**

Propylene Oxide is a clear, volatile and inflammable liquid.

SALES SPECIFICATION

S.NO	CHARACTERISTICS	UNIT	SPECIFICATION
1	Appearance	---	Clear liquid
2	Density @ 25° C	g/cc	0.82 - 0.83
3	Acidity as Acetic Acid	ppm w/w	50 (Maximum)
4	Aldehyde as Propanal	ppm w/w	60 (Maximum)
5	Moisture	ppm w/w	200 (Maximum)
6	Colour	APHA	10 (Maximum)
7	Non-volatile matter	mg/100ml	2.0 (Maximum)

PROPERTIES

Flash point (closed cup) -35° C, miscible with alcohol and ether, Distillation range 33-45° C

USES

Chemicals intermediate in preparations of polyols to produce polyurethanes, in preparations of glycols, in preparation of lubricants, surfactants, oil demulsifiers and also as solvent; fumigant; soil sterilant.

AVAILABILITY

Propylene Oxide is available in bulk load by tankers, as well as in small quantities by mini bullets of approximately 150-200 kg nett wt.

STORAGE AND HANDLING

PROPYLENE OXIDE is to be stored in tightly closed/ properly vented containers away from heat sparks, open flame, strong oxidising agents. Use only non-sparking tools.

TOXICITY

Inhalation produces headache, nausea, vomiting, unconsciousness, mild depression of CNS & lung irritation. Causes slight irritation to skin. Causes severe irritation to eyes.

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