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## PRODUCT DATA SHEET

### PROPYLENE OXIDE

#### **DESCRIPTION**

Propylene Oxide is a clear, volatile and inflammable liquid.

#### **SALES SPECIFICATION**

Characteristics	Unit	Specification
Appearance	----	Clear viscous liquid
Density at 25 °C	g/cc	1.000 – 1.020
Viscosity at 25 °C	Cps	160±20
Colour	APHA	100 maximum
Hydroxyl Number	mg KOH /g	105.0–115.0
Water	% w/w	0.10 maximum

#### **PROPERTIES**

Flash point (closed cup) -35<sup>0</sup>C, miscible with alcohol and ether, Distillation range 33-40<sup>0</sup>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.

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### **STORAGE AND HANDLING:**

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

**Shelf life:** 6 months

### **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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