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Typical Product Specifications & Properties

Propylene oxide

CAS Number: : 75-56-9

Specifications	Limits
Molecular weight	58.08
EINECS	200-879-2
SMILES	C1[C@@H](O1)C
InChI	1S/C3H6O/c1-3-2-4-3/h3H,2H2,1H3
InChIKey	GOOHAUXETOMSMM-UHFFFAOYSA-N
Melting Point	-1.12E+02 ° C
Boiling Point	35 ° C
log P (octanol-water)	0.03
Water solubility	5.90E+05 mg/L
Henry's Law Constant	6.96E-05 atm-m ³ /mole
Atmospheric OH Rate Constant	5.20E-13 cm ³ /molecule-sec
Vapor Pressure	538 mm Hg



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Specifications	Limits
Water solubility	40 g/100 mL (20 °C)
BRN Number	79763
Stability	Stable. Incompatible with acids, bases, oxidizing agents, copper, copper alloys, brass, bronze, iron, metal chlorides, peroxides and a wide variety of other materials. Reacts with compounds containing labile hydrogen. Extremely flammable - note
Flash Point	-35 °F
Storage Temperature	Flammables area
Vapor Density	2
Melting Point	-112 °C
Vapor Pressure	29.43 psi (55 °C)



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