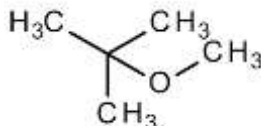


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

Tert-Ethyl Methyl Ether 99,5 % AR

Methyl tert-butyl ether, MTB, MTBE



Product Code	B-3070	Grade	Analytical Reagent
Purity	99,5 %	CAS No	1634-04-4
Molecular Formula	C ₅ H ₁₂ O	Molecular Weight	88.15 g/mol
H.S.Code	2909.3090	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless
Odour	characteristic	Melting Point/ Freezing point (°C)	-108,6 °C at 1.013 hPa
Boiling Point	55-56 °C	Vapour pressure (°C)	330 hPa at 25 °C
Viscosity	0,409 mm ² /s at 40°C	Partition coefficient Log Pow noctanol / wter at 20°C	1,06
Flash point	-28°C	Density (g/ml)	0.74 at 25°C
Solubility in water (% weight)	42 g/l at 20 °C	Explosion limits – upper (%)	8,5 %
Auto-ignition temperature (°C)	460°C at 1013,0 hPa	Explosion limits-lower (%)	1.6 %

Packaging

500 ml

Specification

Appearance	A clear colorless liquid
Assay (by GC)	min 99.5 %
Wt.per ml at 20 °C	0.739 - 0.740 g/cm ³
Identity (IR)	passes test
Colour	max 10 Hazen
Non-volatile matter	max 0.001 %
Methanol (GC, area %)	max 0.01 %
2-Methyl-2-propanol (GC)	max 0.05 %
Acidity	max 0.0005 meq/g

Alkalinity	max 0.0002 meq/g
Peroxide (as H ₂ O ₂)	max 0.0001 %
Water (H ₂ O)	max 0.03 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 2398

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225- H315

Precaution Statement: P210-P233-P240-P241-P242