

METHYL TERTIARY BUTYL ETHER (M

CAS Number: 1634-04-4

Other Names: 2-Methoxy-2-methylpropane; tert-Butyl methyl ether;
tBME; tert-BuOMe

Formula: C₅H₁₂O

PRODUCT INTRODUCTION

Methyl tertiary butyl ether (MTBE) is a volatile, flammable, and colorless liquid that is sparingly soluble in water. It has a minty smell vaguely reminiscent of diethyl ether. It has a role as a non-polar solvent, a fuel additive and a metabolite.

PHYSICAL AND CHEMICAL PROPERTIES

Purity by GC (% w/w)	99.98 %
Other Organics	0.0122 %
Colour (Pt-Co Scale) (APHA)	2
Water	0.0075 %
Residue on Evaporation	0.0003 %

APPLICATIONS

- Over 90% of methyl tertiary butyl ether (MTBE) production is used in gasoline as an octane booster and oxygenate.
- Methyl t-butyl ether has been used to dissolve gallstones and as a cholesterol control agent in people.
- MTBE can also be used to make high purity isobutylene which is further processed to produce butyl rubber, highly reactive polyisobutylene, methyl methacrylate (MMA) and some smaller derivatives.

Drums
