

TERTIARY BUTANOL (TBA)



CAS Number: 75-65-0

Other Names: t-Butyl alcohol; t-Butanol; Trimethyl carbinol;
2-Methyl-2-propanol; 2M2P

Formula: $C_4H_{10}O$ or $(CH_3)_3COH$

PRODUCT INTRODUCTION

Tert-butanol is a tertiary alcohol that is isobutane substituted by a hydroxy group at position 2 with formula $C_4H_{10}O$. It is a clear liquid with a camphor-like odor. It is very soluble in water and miscible with ethanol and diethyl ether.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless Transparent Liquid or crystal
Assay	99.50 wt%
Color	8 APHA
Water	0.02 %
Specific Gravity	0.78
Initial Boiling point	81.7 °C
Dry Point	82.8 °C
Free Acid as Acetic acid	0.002 wt%
Non-Volatile Matter	0.0008 %
Recovery Volume	
Freezing Point	25.5 °C

APPLICATIONS

- The solvent sector is the major field of application. Tert-butanol is also used as an agent for introducing the tert-butyl group into organic compounds (e.g., tert-butylphenol for the preparation of oil-soluble resins and antioxidants, trinitro-tert-butyltoluene as artificial musk)
- It also used as a starting material for the preparation of peroxides (polymerization catalysts).
- Dehydrated TBA can be used to produce high-purity isobutene.

PACKAGING OPTIONS

Drums

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