

TERTIARY BUTYLAMINE



CAS Number: 75-64-9

Other Names: 2-Methylpropan-2-amine; 2-Aminoisobutane;
2-Amino-2-methylpropane; Dimethylethylamine;
2-Methyl-2-aminopropane; 2-Methyl-2-propylamine;
Trimethylaminomethane; Erbumine

Formula: C₄H₁₁N

PRODUCT INTRODUCTION

Tert-butylamine is a primary aliphatic amine with chemical formula C₄H₁₁N. It appears as a clear colorless liquid with an ammonia-like odor. It is soluble in water, esters, aliphatic and aromatic hydrocarbons, alcohol, and ether. Toxic oxides of nitrogen produced during combustion.

PHYSICAL AND CHEMICAL PROPERTIES

Tertiary Butylamine	99.7 %
Water Content	< 0.02 %
Color	5 APHA
Suspended Matter	None

APPLICATIONS

- It is an effective solvent for the removal of surfactants such as PVP and capping agents such as KBr from the nanoparticle surface.
 - Mixed complexes of platinum, amino acid and TBA show potent anti-tumor activities.
 - It is an effective base for the aziridination of 2-arylethenyl(diphenyl)sulfonium salt to form the corresponding N-tert-butylaziridine.
 - A variety of pesticides are derived from this amine, including terbacil, terbutryn, and terbumeton.
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PACKAGING OPTIONS

Drums

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