

TRI-N-BUTYLAMINE



CAS Number: 102-82-9

Other Names: N,N-dibutyl-1-butaanamine; TBA; Tributylamina

Formula: $C_{12}H_{27}N$

PRODUCT INTRODUCTION

Tributylamine is a tertiary amine. It is a colourless liquid with a tendency to change to pale yellow on prolonged storage. It is miscible with acetone, ethanol, ethyl ether and most organic solvents. It is immiscible with water. Tributylamine is an important commercial chemical.

PHYSICAL AND CHEMICAL PROPERTIES

Tri-n-butylamine	99.8
Water	0.03
Mono-n-butylamine	ND
Di-n-butylamine	0.02
N-butanol	ND
Color	10

APPLICATIONS

- Tri-n-butylamine is a significant chemical intermediate in the production of phase transfer catalysts like tributylmethylammonium chloride and tributylbenzylammonium chloride.
 - It is widely used in pharmaceuticals, agrochemicals, surfactants, lubricant additives, vulcanization accelerators and dyes.
 - It acts as a catalyst and as a solvent in organic syntheses and polymerization reactions.
 - A major use of TBA is as a strong base anion exchanger, acid acceptor, inhibitor in hydraulic fluids and an emulsifying agent.
 - Further, it is used to prepare photographic chemicals.
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PACKAGING OPTIONS

Drums

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