

# N-BUTANOL



CAS Number: 71-36-3

Other Names: Butan-1-ol; Butyl alcohol; Butyl hydrate;  
1-Hydroxybutane; n-Propylcarbinol

Formula: C<sub>4</sub>H<sub>10</sub>O

## PRODUCT INTRODUCTION

Normal butanol (n-butanol) is a primary alcohol with a molecular formula of C<sub>4</sub>H<sub>10</sub>O. N-butanol is a colourless liquid of medium volatility and a characteristic banana-like odour. It only has limited miscibility in water, however is easily soluble in regular solvents such as ethers, alcohol, glycols and hydrocarbons. This solvent is very flammable. The major use n-butanol is in the industrial arena.

## PHYSICAL AND CHEMICAL PROPERTIES

N-Butyl Alcohol	99.88 wt.%
B-Butyraldehyde	0.00140 wt.%
1-Butyl Alcohol	0.3360 wt.%
N-Butyl Ether	0.01600 wt.%
Acidity as Acetic Acid	0.0007 wt.%
Water	0.010 wt.%
Carbonyl as (C=O)	0.00623 wt.%
Iron	0.01 ppm
Color (Pt-Co)	2.2
Specific Gravity at 20/20°C	0.8110
Appearance	Clear Clean Liquid
Non-Volatile Matter	< 0.0010 g/100mL

## APPLICATIONS

- n-butanol can be used a chemical intermediate to create other chemicals (e.g. Esters, n-butyl acetate and amino resins); alternatively it can be used as a solvent in the creation of consumer products.
- n-butanol is used as a solvent for paints, coatings, varnishes, fats, oils, waxes, rubber and plasticizers.

- It is used as an extractant in the production of drugs and natural substances such as antibiotics, hormones, vitamins, alkaloids and camphor.
  - Other uses include coating fabric in the textiles industry, as a cleaning or polishing agent, gasoline, and brake fluid and in consumer products such as make-up, nail products, hygiene products and shaving products in the cosmetic industry.
  - It is used in mobile phase in paper and thin-layer chromatography.
  - The main user end market of this product is the chemical, petrochemical, textiles, cleaning and cosmetics industries.
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## PACKING OPTIONS

Tanks

Drums

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