



InterTrade(Singapore)Chemicals Pte Ltd

Product Data Sheet

N-Butyl Alcohol(NBA)

CAS No. 71-36-3

Application/Uses

- Acrylates
- Automotive OEM
- Coatings for Automotive Plastics
- Coatings for automotive
- Coatings for plastic
- Coatings
- Ester Solvents
- Glycol ether solvent
- Plasticizers
- Solvents for cosmetics and personal care
- Solvents for fragrances
- Solvents
- Truck/Bus/Commercial Vehicles

Product Description

N-Butanol (n-Butyl alcohol), a four carbon straight chain alcohol, is a medium-boiling liquid that is useful as a chemical intermediate and solvent.

Typical Properties

Property	Typical Value, Units
Molecular Weight	74.12
Empirical Formula	
Solubility	
in Water, @ 20°C	7.9 wt %
Water in, @ 20°C	20.8 wt %
Evaporation Rate	
(n-butyl acetate = 1)	0.5
(ether = 1)	24.2
Refractive Index @ 20°C	1.4
Vapor Density (air = 1)	2.6
Vapor Pressure	
@ 20°C	5.5 mm Hg
@ 55°C	6.1 KPa
Specific Gravity @ 20°C/20°C	0.81
Boiling Point @ 760 mm Hg	116-119°C (241-246°F)



InterTrade(Singapore)Chemicals Pte Ltd

Product Data Sheet

N-Butyl Alcohol(NBA)

CAS No. 71-36-3

Freezing Point	-89°C (-129°F)
Flash Point Tag Closed Cup	36°C (97°F)
Critical Temperature	289.8°C
Critical Pressure	43.7 ATM
Critical Volume	275 ml/g·mol
Heat of Combustion	-587 kcal/g·mol
Heat of Vaporization	10330 cal/g·mol
Expansion Coefficient, per °C @ 20°C	0.0009
Liquid Viscosity @ 20°C	3 cP (mPa·s)
Liquid Heat Capacity @ 25°C	42.52 cal/(g·mol)(°C)
Autoignition Temperature	355°C (671°F)
Azeotropes	
BP	92.7°C (198.9°F)
Wt % Water	42.5 wt %
Hansen Solubility Parameters	
Nonpolar	7.8
Polar	2.8
Hydrogen Bonding	7.7
Total	11.3
Surface Tension @ 20°C	24.6 dynes/cm
Electrical Resistance	<0.2 Megohms
TLV PPM 1998	C50
Nitrocellulose Solubility	Latent
Maximum Incremental Reactivity (MIR)	3.34
Acidity as Acetic Acid	0.003 wt % max.
Color Pt-Co	5 max.
Wt/Vol @ 20°C	6.75 lb/gal

Comments

Properties reported here are typical of average lots. InterTrade makes no representation that the material in any particular shipment will conform exactly to the values given.