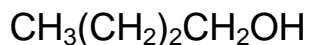




n-Butanol

n-Butyl Alcohol 1-Butanol



Description

A colorless, neutral liquid of medium volatility with a characteristic banana-like odor.

Physical properties

Molecular Weight	74.12
Relative Evaporation Rate nBuAc=1	0.44
Vapor Pressure at 20°C, mmHg	4.2
Density at 20°C lb/gal	6.75
Specific Gravity at 20/20°C	0.810
Viscosity at 20°C cP	3.0
Surface Tension	
(dynes/cm at 20°C)	-
(dynes/cm at 25°C)	24.2
Hansen Solubility Parameters	
Total	11.3
Non-Polar	7.8
Polar	2.8
Hydrogen Bonding	7.7
Boiling Point, °C at 760mm Hg	117.7
Solubility at 20°C	
%Wt In Water	7.7
%Wt Water in	20.1
Closed Cup Flash Point °F	95
SARA 313 (see note 1†)	Y
Hazardous Air Pollutant (see note 2††)	N

† **Note 1:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313

†† **Note 2:** Hazardous Air Pollutants listed under Title III of the Clean Air Act

Classification/Registry Numbers

CAS Number	71-36-3
EINECS	200-751-6

(Please see second page)

n-Butanol

n-Butyl Alcohol

1-Butanol

Features

- Restricted miscibility with water
- Freely miscible with all common solvents such as glycols, ketones, alcohols, aldehydes, ethers, aromatic and aliphatic hydrocarbons
- Prevents blushing of certain coatings
- Improves flow, gloss and resistance to blushing in cellulose lacquers
- Suitable solvent for acid curable lacquers and baking finishes derived from urea
- Non-HAP (Hazardous Air Pollutant) Solvent

Applications

- Coatings
- Textiles
- Intermediate for glycol ethers
- Flotation agents
- Cleaners
- Floor polishes
- Extractant in production of drugs and antibiotics, hormones, vitamins
- Additive in gasolines
- Chemical intermediate (esters, alkylamines)

How supplied

- Bulk: Tank truck/tank car
- Marine tankers or barges

Special handling

Risk phrase	R10	(Flammable)
	R22	(Harmful if swallowed)
	R37	(Irritating to respiratory system)
	R38	(Irritating to skin)
	R41	(Risk of serious damage to eyes)
	R67	(Vapors may cause dizziness and drowsiness)
Safety phrase	S2	(Keep out of reach of children)
	S7/9	(Keep container tightly closed and in a well-ventilated place)
	S13	(Keep away from food, drink and animal feeding stuffs)
	S26	(In case of contact with eyes, rinse immediately with plenty of water and seek medical advice)
	S37/39	(Wear suitable gloves and eye/face protection)

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

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