



n-Butyl Acetate

KEY FEATURES:

- Colorless liquid with a sweet, fruity odor
- Miscible with many organic solvents in all proportions
- Important solvent for paints, coatings, printing inks and aerosol sprays





n-Butyl Acetate

PRODUCT DESCRIPTION

n-butyl acetate is a neutral, colorless liquid with a characteristic odor. It is miscible with organic solvents in all proportions.

n-butyl acetate is an excellent solvent for nitrocellulose, cellulose ethers, celluloid, chlorinated rubber, polyvinyl acetates, polyvinyl chloride, vinyl acetate/vinyl chloride/dicarboxylic acid copolymers, polystyrene (coatings), polyacrylates, most natural resins, plasticizers, oils and fats. Urea-formaldehyde resins and asphalt are partially soluble in **n-butyl acetate** and cellulose acetate, congo copal, shellac, polyvinyl butyrals and polyvinyl carbazole are insoluble in **n-butyl acetate**. Cellulose acetate butyrate, polyisobutylene, rubber and polyvinyl formal swell in **n-butyl acetate**.

APPLICATIONS

n-butyl acetate's dissolving power, good volatility, high solubility (especially in a mixture with alcohols) and resistance to blushing of drying paint films make it one of the most important medium-volatility solvents for paints, coatings, printing inks and aerosol sprays.

n-butyl acetate may also be used in combination with lacquers. It can be employed, for example, for the isocyanate component in catalyzed lacquers.

Because of its pleasant odor, **n-butyl acetate** may be used in the manufacture of essences, perfumes, stain removers and glazed paper. It is also used as a process solvent, as an extraction solvent in the chemical and pharmaceutical industries, and as a solvent for adhesives.

TYPICAL PROPERTIES

	Unit	
Molar mass	g/mol	116.16
Boiling point at 1013 hPa	°C	126.1
Melting point	°C	-78
Refractive index n_D at 20°C		1.393 – 1.395
Vapor pressure at 20°C	hPa	15
at 50°C	hPa	63
Vapor density (air = 1)		4.0
Density at 20°C	g/cm ³	0.881
Solubility in water at 25°C	% (w/w)	0.7
Water absorption at 20°C	% (w/w)	1.4
Dielectric constant at 20°C		5
Evaporation number (diethyl ether = 1)		11