

## SALES SPECIFICATION N-BUTYL ACETATE

### Quality Attributes

Test Description	Limits	Test Method
Appearance	Colorless Liquid	Visual
n-Butyl acetate, weight %	99.00, min.	GC
Water Content, weight %	0.100, max.	ASTM
Acidity, as Acetic Acid, weight %	0.0100, max.	ASTM
Color, Pt-Co	10, max.	ASTM
Specific Gravity @ 20/20°C	0.8800 – 0.8830	ASTM

Description: Colorless, highly volatile, highly flammable liquid with a pleasant and fruity odor. Widely used as a solvent in the production of lacquer, adhesives, paint, coatings, printing inks and aerosol sprays; also used as an extraction solvent in the chemical and pharmaceutical industries, manufacturing of essences, perfumes and glazed paper.

**Reference:** internal documents

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- **Extremely flammable:** Highly flammable, with a very low flash point, so its vapors can form an explosive mixture. It is classified and labeled as class 3.
- **Incompatible materials:** Strong acids and bases and strong oxidizing agents.
- **Possibility of dangerous reactions:** Dangerous polymerization will not occur. Vapors may form an explosive mixture with air.
- **Health hazards:** Vapors can cause drowsiness or dizziness. Symptoms/Injuries after skin contact the substance degrades the skin, which can cause dryness or the formation of cracks.

## PRODUCT DATA SHEET

### N-BUTYL ACETATE

**n-Butyl acetate** (C<sub>6</sub> H<sub>12</sub> O<sub>2</sub>) is a colorless, highly flammable liquid vapors are heavier than air, and it causes skin/eye irritation and dizziness. Low solubility in water, but miscible with most organic solvents. Boils at 126° C (at 1013 hPa). Formed by esterification of n-butanol and acetic acid. Exposure Limits: OSHA PEL is 150 ppm (8-hour TWA). High exposure can cause central nervous system depression, dizziness, and headaches. Readily biodegradable, but harmful to aquatic life in large spills.

#### Chemical and Physical Properties

Property	Value
Chemical formula	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>
Molecular weight	116.18 g/mol
CAS number	123-86-4
Appearance	Colorless liquid
Odor	Fruity odor
Melting point/freezing point	<-90°C
Boiling point	126 °C
Lower flammability limit	1.2%
Upper flammability limit	7.5%
Flash point	27°C @1,013 hPa (760 mm Hg)
Auto-ignition temperature	415 °C
Decomposition temperature	Not available
pH	6.2
Kinematic viscosity	0.83 mPa.s @ 25°C
Solubility	5.3 g/l @ 20°C, en agua
Partition coefficient n-octanol/water (log value)	Log pow=2.3
Vapor pressure	1.12 kpa @ 20°C
Density	0.8820 g/cm <sup>3</sup>
Relative vapor density (air =1)	4.0 (aire=1) @ 20°C