

NPAC (N-Propyl Acetate)

CAS NO. 109-60-4

Product Description	Key Features	Application
<ul style="list-style-type: none"> N-Propyl Acetate is a chemical compound used as a solvent and an example of an ester. This clear, colorless liquid is known for its characteristic odor of pears. Due to this fact, it is commonly used in fragrances and as a flavor additive. Moreover, it is used as raw materials for edible perfume, nitrocellulose solvent, paint, plastic, and other organic materials because it has good solvency power. 	<ul style="list-style-type: none"> Clear colorless liquid Fast evaporating solvent Good solvency power Slightly soluble in water Soluble in ethanol, ketone, chloroform and ether 	<ul style="list-style-type: none"> Aerosol sprays Automotive Chemical for synthesis Coatings Food package solvent Fragrance solvent Manufacture of substances Nail care Nitro cellulose solvent Other organic materials Paint Plastic Printing inks Process solvent Wood lacquers

Properties	Typical Value	Unit	Test Based On
Appearance	Clear liquid 10#	Pt-Co	Visual
Assay	99.5 Min	wt%	GB/T12717-2007
Autoignition Temperature	380	°C	-
Boiling Point @ 760 mmHg	101.6	°C	-
Color Pt-Co (APHA)	15 Max	-	-
Critical Pressure	33.2	ATM	-
Critical Temperature	276	°C	-
Critical Volume	N/D	-	-
Critical Compress	N/D	-	-
Density @ 20 °C	0.885-0.889	g/cm ³	GB 4472-1984
Dielectric constant	8.1	-	-
Dipole moment	1.86	-	-
Electrical Conductivity @ 25 °C	N/D	-	-
Empirical Formula	C ₅ H ₁₀ O ₂	-	-
Evaporation Rate (n-butyl acetate = 1)	2.75	-	-
Expansion Coefficient @ 20 °C	N/D	-	-
Explosive value			
Minimum	1.77	vol%	-
Maximum	8.0	vol%	-
Fire Point	N/D	-	-
Flash Point			
in close cup	14.44	°C	-
in open cup	18.33	°C	-
Freezing Point	-92.5	°C	-
Heat of Combustion (Liquid) @ 25 °C	N/D	-	-
Heat of Polymerization @ 25 °C	N/D	-	-
Heat of Vaporization	39.08	kJ/mol	-

Properties	Typical Value	Unit	Test Based On
Latent Heat of Vaporization	80.3	cal/g	-
Maximum Incremental Reactivity (MIR)	N/D	-	-
Melting point	-92.5	°C	-
Molecular Weight	102.13	g/mol	-
Nitrocellulose Solubility	N/D	-	-
Odor Threshold	0.15	ppm	-
Partition coefficient n-octanol/water (log Pow)	1.23	-	-
Ratio of Specific Heats of Vapor (Gas)	1.071	-	-
Refractive Index @ 20°C	1.3844	-	-
Relative density (Water = 1) @ 25 °C	0.89	g/cm ³	-
Saturated Vapor Pressure @ 28.8 °C	5.33	kPa	-
Solubility coefficient (in EtOH/Water)	N/D	-	-
Solubility in water @ 20 °C	18.9	g/l	-
Specific Gravity @ 20°C	0.889	-	ASTM D4052
Surface tension @ 20 °C	24.3	mN/m	-
Vapor Density Air = 1	3.53	-	-
Vapor Pressure @ 20 °C	33	hPa	-
Viscosity @ 20 °C	0.58	mPa*s	-

Notes

Typical properties: these are not to be construed as specifications.

¹Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance please contact our sales representative

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