



## Technical Data Sheet

### Propyl Acetate

#### Synonyms

Acetic acid, n-propyl ester, n-propyl acetate

#### Chemical Formula

CH<sub>3</sub>COOC<sub>3</sub>H<sub>7</sub>

#### Product Description

Propyl acetate is a colorless, volatile solvent with an odor similar to acetone. It has good solvency power for many natural and synthetic resins. It is miscible with many organic solvents.

#### Uses / Applications

- Coatings
- Wood lacquers
- Aerosol sprays
- Nail care
- Cosmetic / personal care solvent
- Fragrance solvent
- Process solvent
- Printing inks (especially flexographic and special screen)

#### Sustainability Attribute:



#### Typical Physical Properties

Property	Unit	Result
Molecular weight	g/mol	102.13
Boiling point @ 760 mmHg, 1.01 ar	°C (°F)	101.5 (214.7)
Flash point (Setaflash Closed Cup)	°C (°F)	11.8 (53.24)
Freezing point	°C (°F)	-93 (-135.4)
Vapor pressure @ 25°C — extrapolated	mmHg Kpa	25 4.79
Specific gravity (20/20°C)		0.888
Liquid density @ 20°C	g/cm <sup>3</sup>	0.89
Vapor density (air = 1)		3.5
Viscosity (@ 25°C)	cP or mPa*s	0.6
Surface tension (@ 25°C)	dynes/cm or mN/m	24.4
Specific heat (@ 25°C)	J/g°C	No test data available

#### Typical Physical Properties:

This data provided for those properties are typical values, and should not be construed as sales specifications.

## Typical Physical Properties (Cont.)

Property	Unit	Result
Heat of vaporization at normal boiling point	J/g	No test data available
Net heat of combustion — predicted @ 25°C	kJ/g	No test data available
Autoignition temperature	°C (°F)	380 (716)
Evaporation rate (n-butyl acetate = 1.0)		2.75
Solubility, g/L or % @ 20°C		
Solvent in water	%	2
Water in solvent		2.6
Hansen solubility parameters	(J/cm <sup>3</sup> ) <sup>1/2</sup>	
_Total		8.6
_Non-polar		7.5
_Polar		2.1
_Hydrogen bonding		3.7
Partition coefficient, n-octanol/water (log Pow)		1.4
Flammable limits	vol.% in air	
Lower		1.7
Upper		8.0

### Classification/ Registry Numbers/Country Inventory<sup>1</sup>.

CAS#	109-60-4
AICS (Australia)	109-60-4
DSL (Canada)	109-60-4
IECSC (China)	109-60-4
ECI (Korea)	109-60-4/KE-29778
EINECS (EU)	203-686-1
MITI (Japan)	109-60-4
ENCS/ISHL (Japan)	2-727
NZIoC (New Zealand)	109-60-4
PICCS (Philippines)	109-60-4
TSCA (U.S.)	109-60-4

<sup>1</sup>NOTE: Classifications apply only to this Oxygenated Solvents product. It is the responsibility of the formulator to ensure that the final finished product complies with the regulations of a given country prior to its sale or distribution in that country.

## How Supplied

REGION	PACKAGING	TRANSPORT MODE
Europe/Africa	Bulk/Drum	Tank Truck
Latin America	Bulk/Drum	Tank Truck
North America	Bulk/Drum	Tank Truck/Tank Car
Pacific	Bulk/Drum	Tank Truck

## Product Stewardship

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### Contact:

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