

## Technical Data Sheet



Product Name	Isopropyl acetate
Synonyms	Secondary Propyl Acetate; Acetic Acid, Isopropyl Ester; Isopropyl Ethanoate
Chemical Formula	$(\text{CH}_3)_2\text{CHOC}(\text{O})\text{CH}_3$
Product Description	Isopropyl acetate is a colorless liquid with an aromatic fruity odor with moderate solubility in water and a low flash point.
Applications	<ul style="list-style-type: none"> <li>• Coatings</li> <li>• Cleaning fluids</li> <li>• Printing inks</li> <li>• Cosmetic / personal care solvent</li> <li>• Fragrance solvent</li> </ul>
Typical Physical Properties	

Property	Value
Molecular Weight (g/mol)	102.13
Boiling Point @ 760 mmHg, 1.01 ar	88.65 °C (191.6 °F)
Flash Point (Setaflash Closed Cup)	2.2 °C (36°F)
Freezing Point	-74 °C (-101°F)
Vapor pressure@ 25°C — extrapolated	47 mmHg 60.7 hPa
Specific gravity (20/20°C)	0.872
Liquid Density @ 20°C	0.87 g/cm <sup>3</sup>
Vapor Density (air = 1)	3.5
Viscosity (cP or mPa·s @ 20°C)	0.5
Surface tension (dynes/cm or mN/m @ 20°C)	22.3
Specific heat (J/g°C @ 25°C)	No test data available
Heat of vaporization (J/g) at normal boiling point	No test data available
Net heat of combustion (kJ/g) — predicted @ 25°C	No test data available
Autoignition temperature	460 °C (860 °F)
Evaporation rate (n-butyl acetate = 1.0)	5
Solubility, g/L or % @ 20°C	
Solvent in water	3%
Water in solvent	1.9%
Hansen solubility parameters (J/cm <sup>3</sup> ) <sup>1/2</sup>	
_Total	8.6
_Non-Polar	7.3
_Polar	2.2
_Hydrogen bonding	4.0
Partition Coefficient, n-octanol/water (log Pow)	1.18
Flammable limits (vol.% in air)	
Lower	1.8

**Typical Physical Properties:**

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

## Classification/Registry Numbers/Country Inventory@.

CAS#	108-21-4
AICS (Australia)	108-21-4
DSL (Canada)	108-21-4
IECSC (China)	108-21-4
ECI (Korea)	108-21-4/KE-21670
EINECS (EU)	203-561-1
MITI (Japan)	108-21-4
ENCS/IHSL (Japan)	2-727
NZIoC (New Zealand)	108-21-4
PICCS (Philippines)	108-21-4
TSCA (U.S.)	108-21-4

@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	Drum	Not Applicable
North America	Bulk/Drum	Tank Truck/Tank Car
Pacific	Drum	Not Applicable

## Product Stewardship

### For More Information

#### North America:

Toll-free 1-800-447-4369

#### Europe:

Toll-free (+800) 3-694-6367\*

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#### Asia-Pacific:

Toll-free (+800) 7776-7776

(+60) 3-7958-3392

#### Latin America:

(+55) 11-5188-9222

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