

# Isopropenyl acetate (IPA)

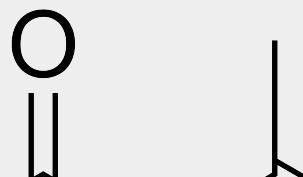
## Organic Esters

Clear, colourless to yellowish, mobile liquid with a pleasant, ester-like odour

Synonym: 1-Methylvinyl acetate

Empirical formula  $C_5H_8O_2$  | Molecular weight 100.12

## Technical data



## Specification

Property	Condition	Value	Method
Color Index <sup>(1)</sup>	-	max. 30	DIN ISO 6271
Isopropenylacetate	-	99.0 %	GC

<sup>1</sup>acc. Hazen Colour Scale

## General Characteristics

Property	Condition	Value	Method
Boiling point	-	96.8 °C	EU-GL.A.2
Density	20 °C	0.9212 g/cm <sup>3</sup>	EU-GL.A.3
Flash point	-	8 °C	ISO 13736
Ignition temperature	-	411 °C	EN 14522
Lower explosion limit	-	1.8 Vol-%	-
Melting point	-	< -50 °C	EG-RL.A.1
Miscibility with water	20 °C	21.5 g/l	-
Solubility in water	20 °C	29.7 g/l	EU-GL.A.6
Vapour pressure	20 °C	101 hPa	EU-GL.A.4
pH	34 g/l   20 °C	3	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Application details

Mild acetylating agent for pharmaceutical ingredients (steroids) and fragrance and flavour chemicals. For the synthesis of enol acetates. Comonomer for the production of synthetic resins.

## Packaging and storage

### Packaging

Drum with PE-inner liner 205l (170 kg net) Intermediate bulk container PE 1000 l (830 kg net)

### Storage

Storage stability for at least: 12 months, if not exposed to direct sunlight. Isopropenyl acetate should be protected from humidity, since otherwise hydrolysis to acetone and acetic acid may occur. Storage beyond the recommended period does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## QR Code Isopropenyl acetate (IPA)



**For technical, quality or product safety questions, please contact:**

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