

Colourless liquid, miscible with almost all common organic solvents; very slightly soluble in water.

Chemical Nature

Isobutyraldehyde, 2-Methylpropanal

Molecular formula: C₄H₈O

CAS Number: 78-84-2

EC-Number: 201-149-6

Delivery specification

Property	Value	Unit	Test method
Mass fraction of - Isobutyraldehyde	99.4 min	%	GC based on DIN 55685
- n-Butyraldehyde	0.3 max	%	GC based on DIN 55685
- Water	1.6 max	%	DIN 51777, Part 1
Platinum-Cobalt Colour	5 max	APHA	DIN EN ISO 6271
Acid Value	1 max	Mg KOH/g	DIN EN ISO 2114

Properties

Physical Data

The following physical data were compiled from data in the literature and from BASF SE's own measurement and calculations. They do not represent any legally-binding guarantee of properties for our sales product.

Boiling range at 1013 hPa 63-65.4 °C
(DIN 53171)

Density at 20°C 0.784-0.794 g/cm³
(DIN 51757)

Solidification point at 1013 hPa below -50 °C

Applications

Isobutyraldehyde is an intermediate for the chemical industry, for example for the manufacture of pharmaceuticals, crop protection products, pesticides, synthetic resins, antioxidants, vulcanization accelerators, tanning auxiliaries, perfumes.

Storage

Isobutyraldehyde can be stored in tightly closed containers, under inert gas and temperatures below 40°C for approx. 6 months

Safety

When using this product; the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed

October 2011

BASF PETRONAS Chemicals Sdn Bhd
Kuala Lumpur, Malaysia

