

ISO-BUTANOL

2 METHYL PROPANOL

Last revision 2011

Chemical Name: Molecular formula: C₄H₁₀O
CAS No.: 78-83-1
Abbreviation: IB

General Description:

Iso-butanol is a colorless liquid, with a characteristic odor. Mixed with air, within 1.45 to 11.25% vol. limits, iso-butanol forms explosive mixtures.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Iso-butanol, min.	%	99.5	ILL-003/1-01-68
Distillation range (95% vol.)	°C	106-109	ASTM D 1078
Acidity (CH ₃ COOH), max.	%	0.006	ASTM D 1613
Water (Karl-Fischer), max.	%	0.1	ASTM E 203
Color, max.	Hazen units	10	SR ISO 2211
Non-volatile, max.	%	0.0025	STAS 8834

Specific Properties:

Density at 20 °C, g/cm ³	0.801
Boiling temperature, °C	106-108
Ignition temperature, °C	28 (closed cup)
Flammability	flammable

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

Main Applications:

- solvent in the industry of nitro-cellulose and alkyd resin based varnishes;
- solvent in synthetic leather manufacturing;
- extraction agent for oils, drugs, perfumes, hormones, antibiotics, vitamins;
- in preparing flotation agents for ore;
- solvent for oven dried, urea and phenolic resin based varnishes;

TECHNICAL SHEET



Packing and storage:

The product is packed in stainless steel tanks with a capacity of 20 or 40 tons, property of supplier or customer.

The product will be stored in cold, covered areas, away from fire or other sources of ignition.

Safety Considerations:

Iso-butanol is a toxic product.

Iso-butanol is incompatible with alkali metals, aluminum, strong oxidizers, acetaldehydes, isocyanates, chlorine.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Attention:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of non-compliance with the information provided herein.