

N-BUTANOL

NORMAL BUTANOL

Last revision 2011

Chemical Name: Molecular formula: C₄H₁₀O
CAS No.: 71-36-3
Abbreviation: NB

General Description:

N-Butanol is a clear, colorless liquid, with a characteristic odor.
N-butanol is incompatible with strong oxidizers (permanganates, perhydrol).
It reacts with strong mineral acids.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
N-butanol, min.	%	99.0	ILL-003/1-01-68
Distillation range (95% vol.)	°C	116.0-118.5	ASTM D 1078
Acidity (CH ₃ COOH), max.	%	0.005	ASTM D 1613
Water (Karl-Fischer), max.	%	0.1	ASTM E 203
Color, max.	Hazen units	10	SR ISO 2211

Specific Properties:

Density, g/cm ³	0.810
Boiling temperature, °C	117.5
Ignition temperature, °C	34
Flammability	flammable

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

Main Applications:

- plastic materials and rubber industries;
- solvent in the industry of nitro-cellulose and alkyd resins based varnishes;
- solvent in synthetic leather manufacturing;
- solvent used in oils, drugs, perfumes extraction;
- raw material in production of hormones, vitamins;
- in plasticizers industry (di-butyl phthalate);
- solvent for urea and phenol resin based varnishes, oven dried.

TECHNICAL SHEET



Packing and storage:

N-Butanol is packed in 20 or 40 tone steel tank cars, propriety of supplier or client.

Product in stored in covered, cold areas, away from fire or other sources of ignition.

Safety Considerations:

N-Butanol is a toxic product.

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.