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Laszlo Corporation

ISO-BUTANOL

GENERAL DESCRIPTION:

IsoButanol is a colorless, volatile, flammable liquid with a characteristic odor. The product is miscible with all common solvents, but is sparingly soluble in water. Less dense than water, Vapors heavier than air, with air, isobutanol gives explosive mixtures within 1.45 – 11.25%, vol. limits.

TECHINCAL QUALITY CONDITIONS:

Characteristics	M.U.	Values
Iso-Butanol, min.	%	99.5
Distillation range (95% vol.)	°C	106 - 109
Acidity (CH ₃ COOH), max.	%	0.006
Water (Karl-Fischer), max.	%	0.1
Color, max.	Hazen units	10
Non-volatile, max.	%	0.0025

SPECIFIC PROPERTIES:

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

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

MAIN APPLICATIONS:

- ▶ Solvent in the industry of nitro-cellulose and alkyd resins based varnishes;
 - ▶ Solvent in synthetic leather manufacturing;
 - ▶ Extraction agent for oils, drugs, perfumes, hormones, antibiotics, vitamins;
 - ▶ Solvent for Urea and phenol resin based varnishes, oven dried
 - ▶ In preparing floatation agents for ore;
 - ▶ additive in deicing fluids;
 - ▶ Feedstock in the production of glycol ethers.
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SHIPPING INFORMATION:

- ▶ 20 or 40 tons stainless steel tanks

STORAGE:

Store in cold, well ventilated areas, away from oxidizers and flammable sources. Flooring should be waterproof and fireproof, provided with water retaining and separating pails to avoid liquid spread in case of accidental leakage. In case of reservoir storage, a nitrogen blanket and vents with flame traps are recommended.