

SALES SPECIFICATIONS

APC Product : Isobutanol

APC Spec. No. : 03-004-0

Effective Date : 1 April 2018

Description

Isobutanol (IBAL) is a clear, mobile, neutral liquid with a characteristic odour. It is miscible with all common solvents, e.g. alcohols, ketones, aldehydes, ethers, glycols and aliphatic hydrocarbons. Its miscibility with water, however, is limited.

Specification

Properties	Unit	Test Method	Value
Purity	% m/m	GC	99.5 min
Colour (Pt-Cobalt)		ASTM D1209	10 max
Water Content	% m/m	ASTM D1364	0.1 max
Acidity as acetic acid	% m/m	ASTM D1613	0.005 max

Typical Properties

Properties	Unit	Test Method	Value
Density @ 20 °C	g/ml	ASTM D4052	0.801 - 0.803
Distillation, IBP	°C	ASTM D1078	106.0 min
Distillation, DP	°C	ASTM D1078	108.0 max
Refractive Index @ 20 °C		ASTM D1218	1.395 - 1.396

Application

Isobutanol (IBAL) is used as a solvent in the coating industry, printing inks and as a solubilizer in the textile industry and as a feedstock in the production of glycol ether, flotation acid (e.g. isobutyl xanthane), wear inhibitor and anticorrosion additives in engine oils. Other applications for Isobutanol are used as an extractant in the production of drugs and natural substances such as antibiotics, hormones, alkaloids and camphor. Also as an additives in alkyd resin paint, polishes and cleaners.