



Product data

Rev.No.2/1301

PURASOLV[®] BL

Description

PURASOLV BL is the butyl ester of natural L(+)-lactic acid, produced by fermentation from sugar. It is a clear and colorless liquid of low volatility, having a characteristic odor. PURASOLV BL is partly miscible with water and most organic solvents.

Specification

Product	butyl lactate
Assay (% w/w)	min. 97
Density (g/ml, at 20°C)	0.975-0.985
Density (lbs/gal at 68°F)	8.2-8.3
Distillation range (°C/°F, 5-95%, 750 mm Hg)	180-195/356-383
Boiling point	187°C
Melting point	-20°C
Acidity (%)	max. 0.1 (as lactic acid)
Water content (% ,Karl Fisher)	max. 0.3
Non-volatiles (%)	max. 0.01
Refractive index (at 25°C/77°F)	1.418-1.422
Color (Apha)	max. 50

Physical-chemical properties

Flash point (°C/°F, ASTM D93-90)	77/170
Molecular weight (g/mol)	146
Molecular formula	CH ₃ CH(OH)COO(CH ₂) ₃ CH ₃
Chemical name	n-butyl-S(-)-2-hydroxy-propionate

Registration

CAS number	34451-19-9 (general 138-22-7)
USA/FDA	GRAS flavor

Packaging

PURASOLV BL is supplied in 200 kg (441 lbs) polyethylene drums and in bulk.

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