

Technical Data Sheet

Eastman™ Isobutyric Acid

Applications

- Agriculture intermediates
- Dyes / pigments / paints
- Food flavors & food fragrances
- Fragrance ingredients
- Herbicides - intermediate for other
- Intermediates
- Other-food chemicals
- Pharmaceutical chemicals
- Protective coatings

Product Description

Eastman™ Isobutyric Acid ((CH₃)₂CHCOOH) is a colorless, medium boiling liquid. Esters of isobutyric acid are used as solvents for various applications where desirable odors and flavor characteristics are important. The potassium salt of isobutyric acid is effective as a solubility promoter in the caustic extraction of mercaptans from sour petroleum stocks.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	88.1
Empirical Formula	C ₄ H ₈ O ₂
Form	Liquid
Color	
Pt-Co	5
Specific Gravity	
@ 20°C/20°C	0.95
Assay	99.5 wt %
Boiling Point	155 °C (311 °F)
Freezing Point	-47 °C (-53 °F)
Vapor Pressure	
@ 20°C	1.5 mm Hg
Heat of Combustion	517 k·cal/g
Refractive Index	1.39 n(20°C/D)
Solubility	
in Water, @ 25°C	21 wt %
Water In, @ 25°C	42 wt %
Fire Point	67 °C (153 °F)
Flash Point	
Tag Closed Cup	59 °C (139 °F)
Tag Open Cup	77 °C (170 °F)
Autoignition Temperature	482 °C (900 °F)
Viscosity	
@ 25°C	1.3 cP

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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