

Technical Data Sheet

Eastman™ Isobutyric Anhydride

Applications

- Cosmetic and personal care intermediate
- Htf - pharmaceutical processing
- Intermediates
- Lubricants
- Pharmaceutical chemicals

Product Description

Eastman™ Isobutyric Anhydride ($[(CH_3)_2CHCO]_2O$) is a liquid with a boiling range of 180-187° C. It is used primarily in chemical processing and as a chemical intermediate.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	158.22
Empirical Formula	$C_8H_{14}O_3$
Specific Gravity @ 20°C/20°C	0.95
Boiling Point	182.5 °C (360.5 °F)
Freezing Point	-53.5 °C (-64.3 °F)
Vapor Pressure @ 20°C	0.5 mm Hg
Refractive Index	1.4 n(25°C/D)
Viscosity @ 25°C	1.18 cP
Coefficient of Expansion @ 20°C	0.000886
Solubility in Water, @ 25°C	Decomposes
Water In, @ 25°C	Decomposes
Flash Point	
Tag Closed Cup	67 °C (153 °F)
Tag Open Cup	72 °C (161 °F)
Fire Point	74 °C (166 °F)
Autoignition Temperature	329 °C (625 °F)
Flammability Limits	
Lower	57.1 mg/L
Upper	369 mg/L
Wt/Vol @ 20°C	0.95 kg/L (7.94 lb/gal)

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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