

Technical Data Sheet

Eastman™ Acetic Anhydride, Reagent Grade

Applications

- Fragrance
- Pharmaceutical chemicals
- Process additives

Product Description

Acetic anhydride ((CH₃CO)₂O) is manufactured by Eastman and supplied in various grades. It is available in reagent grade, as well as a kosher product that may be used in foods as a reactant only. Acetic anhydride is available in tank trucks, tank cars and 55-gallon drums.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	102.1
Empirical Formula	C ₄ H ₆ O ₃
Specific Gravity @ 20°C/20°C	1.08
Assay	97 wt % min.
Boiling Point	139.9 °C (283.8 °F)
Freezing Point	-73.1 °C (-99.5 °F)
Vapor Pressure @ 20°C	4.6 mm Hg
Refractive Index	1.3898 n(25°C/D)
Viscosity @ 25°C	0.91 cP
Coefficient of Expansion @ 20°C	0.00145
Solubility in Water, @ 25°C	Decomposes
Water In, @ 25°C	Decomposes
Flash Point Tag Closed Cup	53 °C (127 °F)
Tag Open Cup	56 °C (132 °F)
Fire Point	58 °C (136 °F)
Autoignition Temperature	332 °C (630 °F)
Flammability Limits Lower	96.2 mg/L
Upper	381 mg/L
Wt/Vol @ 20°C	1.08 kg/L (9.02 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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