

Technical Data Sheet

Eastman™ Acetic Anhydride

Applications

- Adhesives/sealants-b&c
- Agriculture intermediates
- Architectural coatings
- Artificial sweetener
- Consumer electronics
- Cosmetic and personal care intermediate
- Dyes / pigments / paints
- Electronic chemicals
- Electronic connectors
- Food and beverage intermediates
- Food flavors & food fragrances
- Fungicides int
- General industrial coatings
- Herbicides - intermediate for glyphosate
- Herbicides - intermediate for other
- Htf - fine chemicals
- Intermediates
- Janitorial & household cleaners
- Other-food chemicals
- Pharmaceutical chemicals
- Polymer & plastic
- Process additives
- Process solvents
- Soap/detergents
- Starting material
- Upholstery
- Water treatment industrial
- Wire wrappers
- Wire/cable

Product Description

Acetic anhydride ((CH₃CO)₂O) is manufactured by Eastman and Sipchem and supplied in various grades.

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
Wt/Vol @ 20°C	1.08 kg/L (9.02 lb/gal)
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	0.91 cP

@ 25°C	
Coefficient of Expansion	
@ 20°C	0.00145
Solubility	
in Water, @ 25°C	Decomposes
Water In, @ 25°C	Decomposes
Flash Point	
Tag Closed Cup	49 °C (120 °F)
Tag Open Cup	56 °C (132 °F)
Fire Point	58 °C (136 °F)
Autoignition Temperature	332 °C (630 °F)
Flammability Limits ^a	
Lower	96.2 mg/L
Upper	381 mg/L
Form	Liquid
Assay	99 wt %

^aAssociates in the vapor phase

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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