

Technical Data Sheet

Eastman™ Propionic Anhydride

Applications

- Commerical printing inks
- Food flavors & food fragrances
- Herbicides - intermediate for other
- Intermediates
- Lubricants
- Pharmaceutical chemicals

Product Description

Eastman™ Propionic Anhydride is a colorless liquid having a pungent odor and high boiling point. It is soluble in alcohol, ether, chloroform, and alkalies, but decomposes in water.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	130.16
Empirical Formula	C ₆ H ₁₀ O ₃
Wt/Vol	
@ 20°C	1.01 kg/L (8.44 lb/gal)
Boiling Point	167 °C (333 °F)
Freezing Point	-45 °C (-49 °F)
Vapor Pressure	
@ 20°C	1 mm Hg
Refractive Index	1.4022 n(25°C/D)
Viscosity	
@ 25°C	1.16 cP
Coefficient of Expansion	
@ 20°C	0.001125
Solubility	
in Water, @ 25°C	Decomposes
Water In, @ 25°C	Decomposes
Flash Point	
Tag Closed Cup	63 °C (145 °F)
Tag Open Cup	59 °C (138 °F)
Fire Point	66 °C (151 °F)
Autoignition Temperature	285 °C (545 °F)
Flammability Limits	
Lower	66.2 mg/L
Upper	466 mg/L
Form	Liquid
Color	
Pt-Co	15
Specific Gravity	
@ 20°C/20°C	1.01
Assay	98.5 wt %

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.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

2/28/2018 11:35:39 AM

© 2019 Eastman Chemical Company or its subsidiaries. All rights reserved. As used herein, ® denotes registered trademark status in the U.S. only.