

Technical Data Sheet

Eastman™ Isopropyl Acetate

Applications

- Architectural coatings
- Auto oem
- Auto plastics
- Auto refinish
- Commerical printing inks
- Electronic chemicals
- Flexographic printing inks
- Furniture
- General industrial coatings
- Graphic arts
- Industrial maintenance
- Marine
- Packaging components non food contact
- Packaging inks non food contact
- Paints & coatings
- Paper chemicals
- Personal care ingredients
- Pharmaceutical chemicals
- Process solvents
- Solvents/stripping agents
- Wood coatings

Key Attributes

- Good solvent activity
- High electrical resistance
- Inert - Nonfood use
- Low MIR value
- Low surface tension
- Low water solubility
- Medium evaporation rate
- Mild odor
- Non-HAP
- Non-SARA
- Predicted to be readily biodegradable*
- REACH compliant

Product Description

Eastman™ Isopropyl Acetate is a urethane grade, fast evaporating, mild odor solvent that is miscible with most common organic solvents and has properties intermediate between ethyl and butyl acetates. It is an active solvent for many types of synthetic resins such as cellulose acetate butyrate, nitrocellulose, vinyl copolymers, polyesters, polyamides, acrylics, and alkyds.

*Modeled using [The Estimation Programs Interface \(EPI\) Suite™ \(EPA\), BIOWIN v4.10 module](#)

The chemical substances for this product are listed as Inert Ingredients Permitted for Use in Nonfood Use Pesticide Products under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). For details on specific permissions, [click here](#).

Typical Properties

Property	Typical Value, Units
General	
Acidity as Acetic Acid	0.005 wt % max.
Assay	99.6 wt % min.
Autoignition Temperature	479 °C (894 °F)
Azeotropes	
BP	76.6 °C (169.9 °F)
Wt % Water	10.6 wt %
Blush Resistance @ 80°F (26.7°C)	62 % RH
Boiling Point @ 760 mm Hg	85-90 °C (185-196 °F)

Color	
Pt-Co	5 max.
Critical Pressure	35.3 ATM
Critical Temperature	264.8 °C
Critical Volume	336 ml/g·mol
Dilution Ratio	
Toluene	3
VMP Naphtha	1.2
Electrical Resistance	>20 Megohms
Empirical Formula	C ₅ H ₁₀ O ₂
Evaporation Rate	
(ether = 1)	4.0
(n-butyl acetate = 1)	3.0
Expansion Coefficient, per °C	
@ 20°C	0.00131
Flash Point	
Tag Closed Cup	2 °C (35 °F)
Freezing Point	-73 °C (-99 °F)
Hansen Solubility Parameters	
Hydrogen Bonding	4
Nonpolar	7.3
Polar	2.2
Total	8.6
Heat of Combustion	-635.3 kcal/g·mol
Heat of Vaporization	7703 cal/g·mol
Liquid Heat Capacity	
@ 25°C	47.66 cal/(g·mol)(°C)
Liquid Viscosity	
@ 20°C	0.6 cP (mPa·s)
Maximum Incremental Reactivity (MIR)	1.24
Molecular Weight	102.13
Nitrocellulose Solubility	Active
Refractive Index	
@ 20°C	1.38
Solubility	
in Water, @ 20°C	2.9 wt %
Water in, @ 20°C	1.8 wt %
Specific Gravity	
@ 20°C/20°C	0.873
Surface Tension	
@ 20°C	22.1 dynes/cm
TLV PPM 1998	250
Vapor Density	
(air = 1)	3.5
Vapor Pressure	
@ 20°C	47.5 mm Hg
@ 55°C	30.7 kPa
Wt/Vol	
@ 20°C	0.87 kg/L (7.26 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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