

# Technical Data Sheet

## Eastman™ C-11 Ketone

### Applications

- Architectural coatings
- Auto oem
- Auto refinish
- Electronic chemicals
- General industrial coatings
- Intermediates
- Marine
- Paints & coatings
- Process solvents
- Protective coatings
- Wood coatings

### Key Attributes

- Good solvent activity
- Low density
- Low surface tension
- Low water miscibility
- Non-HAP
- Non-SARA
- REACH compliant
- Readily biodegradable\*
- Slow evaporation rate

### Product Description

Eastman™ C-11 Ketone is a low-cost, slow-evaporating, low-density mixture of ketone solvents. It is useful as a retarder solvent for primers, coil coatings, maintenance coatings and high-solids enamels. In these coatings, C-11 Ketone improves gloss and leveling, reduces orange peel, minimizes solvent popping, and helps reduce the VOC content. In many coatings, it can be used alone or blended with other solvents to replace isophorone and dibasic esters.

Eastman™ C-11 Ketone has good solvency for a wide range of resins including nitrocellulose, alkyds, polyesters, acrylics, epoxies, and some vinyl chloride/vinyl acetate copolymers. Compared with other solvents in the same evaporation range, Eastman™ C-11 Ketone often offers an economic advantage.

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

### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Acidity	
as Acetic Acid	0.10 wt % max.
Autoignition Temperature	238 °C (460 °F)
Blush Resistance	
@ 80°F (26.7°C)	96 % RH
Boiling Point @ 760 mm Hg	
Dry Point	240 °C (464 °F)
Initial	200 °C (392 °F)
Color	
Pt-Co	75 max.
Dilution Ratio	
Toluene	2.3
VMP Naphtha	1
Electrical Resistance	1.5 Megohms
Empirical Formula	Mixture
Evaporation Rate	
(ether = 1)	605.1
(n-butyl acetate = 1)	0.02

Expansion Coefficient, per °C @ 20°C	0.00099
Flash Point Setaflash Closed Cup	84 °C (184 °F)
Freezing Point	-12 °C (11 °F)
Hansen Solubility Parameters	
Hydrogen Bonding	2
Nonpolar	7.9
Polar	1
Total	8.2
Liquid Viscosity @ 25°C	2.1 cP (mPa·s)
Nitrocellulose Solubility	Active
Refractive Index @ 20°C	1.4355
Solubility	
in Water, @ 20°C	0.2 wt %
Water in, @ 20°C	0.9 wt %
Specific Gravity @ 20°C/20°C	0.84
Surface Tension @ 24°C	27.5 dynes/cm
Vapor Density (air = 1)	4
Vapor Pressure @ 55°C	0.17 kPa
Wt/Vol @ 20°C	0.84 kg/L (7.02 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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