Asia Petrochemicals LLC

$C_3 H_6 O_2$

Methyl Acetate

KEY FEATURES:

- Clear, colorless liquid
- Pleasant odor
- High solubility with most common Organic Solvents

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PRODUCT DESCRIPTION

Methyl acetate 99.5% is a clear, colorless liquid with a non-residual, pleasant odor typical of esters. It has a limited solubility in water; however, it has good-to-high solubility with most common organic solvents. The boiling point of methyl acetate is 57°C at 760 mmHg (1 atm). Methyl acetate dissolves a wide variety of resins including many acrylics, vinyls, epoxies, urethanes, polyesters, phenolics and cellulosics. It does not dissolve rubber or polyvinyl chloride.

APPLICATIONS

Methyl acetate's fast evaporation rate is used in formulated products such as fast-dry industrial maintenance coatings, air-dry automotive refinish paints, aerosol coatings, quick-dry adhesives and spray-applied furniture coatings. Celanese high-purity **methyl acetate** is used as an intermediate in a variety of synthesis applications, e.g., in the production of pharmaceutical intermediates. As of this publication date, Celanese methyl acetate has the highest purity available in the market and, therefore, can be used in numerous quality-critical applications, including as a solvent for polyurethane coatings and adhesives, blowing agent for polyurethane and other foams, intermediates, process solvents for agricultural chemicals, general organic syntheses, etc. Other possible uses are paint strippers, fuel system cleaners and additives, battery electrolytes, polymerization solvents, cleaners for electronics, precision parts, photoresist strippers and inks: flexographic, gravure, marking and writing, and for inkjet printers. **Methyl acetate's** fast evaporation rate has advantages in other applications. For example, furniture coatings are often acrylic or nitrocellulose based lacquers containing a blend of fast- and slow-evaporating solvents. In such a system, the fast evaporation rate of **methyl acetate** can be balanced with a slower evaporating "tail" solvent to maintain the desired overall drying rate. Of course, the formulator must also be cognizant of flash point and blush resistance limitations when reformulating with **methyl acetate**. Celanese also offers **methyl acetate** 80% with a minimum assay of 80.1% (by GC). The methanol content of the 80% grade material contains up to 19.9% methanol (by GC). Further information regarding **methyl acetate** 80% can be made available upon request.

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Typical Properties

Property	Typical Value, Units
Acidity as Acetic Acid	0.15 wt % max.
Assay	99%
Boiling Point @ 760 mm Hg	55.8-58.2°C (132-137°F)
Color Pt-Co	5 max.
Flash Point	
Setaflash Closed Cup	-15°C (5°F)
Tag Closed Cup	-13°C (9°F)
Refractive Index @ 20°C	1.36
Specific Gravity @ 20°C/20°C	0.93
Vapor Density (air = 1)	2.6
Vapor Pressure	
@ 20°C	178.3 mm Hg
@ 55°C	94.4 KPa

For further information please visit http://www.asia-petrochem.com or send an enquiry to info@asia-petrochem.com

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