

### $\mathsf{C}_4\,\mathsf{H}_6\,\mathsf{O}_2$

# Vinyl Acetate Monomer (VAM)

### **KEY FEATURES:**

- Clear, colorless liquid with a faint ether-like odor
- Key raw material for PVAc, PVOH and VAE emulsions



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## Vinyl Acetate Monomer (VAM)

#### **PRODUCT DESCRIPTION**

**Vinyl acetate monomer (VAM)** is an essential chemical building block used to manufacture a variety of consumer and industrial products. Vinyl acetate is a colorless liquid with a pungent odor and can be polymerized in mass, solution, suspension or emulsion.

### APPLICATIONS

**VAM** is the key raw material used for the production of polyvinyl acetate (PVAc), vinyl acetate ethylene (VAE) emulsions and polyvinyl alcohol (PVOH), a precursor to PvB films. **VAM** is also used to make ethylene vinyl alcohol (EVOH) resins and ethylenevinyl acetate copolymers (EVA). In addition, **VAM** is an intermediate used to produce paints and coatings, adhesives, textile finishes, water-soluble films and fibers, and laminated safety glass.

TYPICAL PROPERTIES	Unit	
Molar mass	g/mol	86.09
Boiling temperature at 1013 hPa	°C	72.7
Melting temperature	°C	-93.2
Vapor pressure at 20℃ at 50℃	hPa hPa	113 445
Vapor density (air = 1)		3.0
Density at 20°C	g/ml	0.932
Solubility in water at 20°C	g/L	20
Evaporation number (n-butyl acetate = 1)		8.9

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