



VINYL ACETATE MONOMER (VAM)

Key features

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

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 faint ether-like 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 ethylene- vinyl 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 point at 1013 hPa	°C	72.7
Melting point	°C	-93.2
Vapor pressure at 20°C	hPa	119
at 50°C	hPa	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 rate (n-butyl acetate = 1)		8.9

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