

## Vinyl Acetate Monomer (VAM)



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

Characteristic	Test Method	Unit	Value
PURITY	UHDE GCL2	WT.%	99.9 MIN.
METHYL ACETATE	UHDE GCL2	PPM	100 MAX.
ETHYL ACETATE	UHDE GCL2	PPM	200 MAX.
ACETALDEHYDE	UHDE GCL2	PPM	100 MAX.
ACIDITY AS ACETIC ACID	UHDE VA1	PPM	60 MAX.
WATER CONTENT	ASTM D - 1364	PPM	200 MAX.
DENSITY @ 20 °C	ASTM D - 4052	gr/cm <sup>3</sup>	0.932 - 0.933
COLOR	ASTM D - 1209	APHA	5 MAX.
HYDROQUINONE	GC	PPM	5-10

**VINYLACETATE** is a colourless, low-viscous, flammable liquid with an ester-like odour. It is miscible with a number of solvents, but not with water. The vapour is invisible and being heavier than air, it spreads out at floor level. **VINYL ACETATE** forms explosive mixtures with air.

### ○ Application areas:

**VINYLACETATE** used for copolymerization and terpolymerization with other monomers, like ethylene, vinyl chloride, acrylate, maleinate, fumarate, vinylaurate.

**VINYLACETATE** is a chemical building block used to manufacture a wide variety of industrial and consumer products, including polyvinyl acetate used to produce paints, adhesives and coatings for flexible substrates; polyvinylalcohol used to produce adhesives, coatings and water soluble packaging films; polyvinyl acetals used to produce insulation for magnetic wire, interlayers for safety glass, wash primers and coatings; ethylene vinyl acetate copolymers used to produce flexible films, coatings, adhesives, moldings and insulation; and ethylene vinyl alcohol used to produce gas barrier layers in coextruded packaging.

### ○ Storage conditions:

**VINYLACETATE** must keep under nitrogen blanket and at ambient temperature. Grounding and bonding required. Protect from physical damage. Store outside or in a detached building. Store with flammable liquids. Keep separated from incompatible substances like acids, bases, metal oxides, amines, combustible materials and oxidizing materials. Store in a tightly closed container. Containers must have overpressure release device. Avoid heat, flames, sparks and other sources of ignition.

### ○ Packing:

Bulk or in 230 Lit (net: 200 Kg) new drums, each 4 drums strapped on a pallet.