

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

Address:

No. 3, Taban St.
Vali-e-Asr Ave.
Tehran - IRAN

Tel:

(+98 21)82122700

Fax:

(+98 21)8867 4126-27

Web-site:

www.arpc.ir

E-mail:

Sales@arpc-ir.net

| 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 ³ | 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.