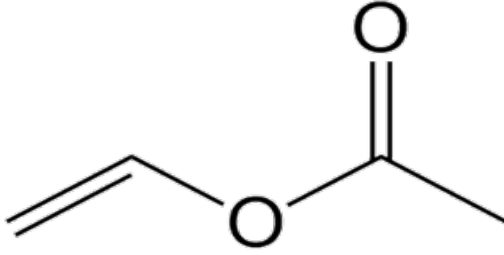

VINYL ACETATE MONOMER (VAM)



IUPAC NAME: ethenyl acetate

CHEMICAL FORMULA: C₄H₆O₂, CC(=O)OC=C

CAS NO: 108-05-4

MOLECULAR WEIGHT: 86.09 g/mol

PACKING: Bulk, 1000 KG

PRODUCT DESCRIPTION:

Vinyl Acetate Monomer, also known as VAM, is a colorless monomer with a strong odor. It is a precursor to the important polymer polyvinyl acetate, which has significant industrial applications. VAM is used as a crucial raw material for many industrial products. It can undergo various expected reactions typical of an alkene and an ester.

IT IS APPLIED IN THE PRODUCTION OF:

Polyvinyl acetate is used in paints, adhesives, paper coatings, and textile processes, while polyvinyl alcohol is utilized in adhesives, packaging, and wrapping sizes.

VAM is employed in the production of polyvinyl butyral, which is used in manufacturing laminated safety glass for automobiles and buildings. It is also used in the production of ethylene-vinyl acetate resin, which finds applications in packaging films, heavy-duty bags, extrusion coatings, wire and cable coatings, hot melt adhesives, and cross-linked foams. Additionally, it is used as ethylene alcohol resins for gas barriers and barrier coatings for automotive tanks.


CHEMICAL PROPERTIES

| | |
|------------------------|--------|
| PURITY | ≥ 99.0 |
| ACID CONTENT | |
| MOISTURE AMOUNT | |
| COLOUR (APHA) | |
| INHIBITOR | |

PHYSICAL PROPERTIES

| | |
|--------------------------|---------------------|
| APPEARANCE | Colorless |
| PHYSICAL STATE | Liquid |
| ODOR | Fruity, sweet odor |
| MOLECULAR WEIGHT: | 86.09 g/mol |
| DENSITY | 0.932 at 20 °C |
| BOILING POINT | 72.8 °C |
| FREEZING POINT | -93.2 °C |
| FLASH POINT | -8 °C, closed cup |
| VISCOSITY | 0.43 cPs at 20 °C |
| VAPOR PRESSURE | 90.2 mm Hg at 20 °C |

SAFETY INFORMATION

| | |
|-----------------------------------|--|
| HAZARD PICTOGRAM(S) |  |
| HAZARD STATEMENT(S) | <p>H225 Highly flammable liquid and vapor.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H351 Suspected of causing cancer.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> |
| PRECAUTIONARY STATEMENT(S) | <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P273 Avoid release to the environment.</p> <p>P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/ attention.</p> |
| STORAGE CLASS | <p>Storage class (TRGS 510): 3: Flammable liquids</p> |
| STORAGE CONDITIONS | <p>Keep the container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.</p> <p>Recommended storage temperature: 2 - 8 °C</p> |
| TRANSPORT INFORMATION | <p>UN number:</p> <ul style="list-style-type: none"> ● ADR/RID: 1301 ● IMDG: 1301 ● IATA: 1301 <p>UN proper shipping name:</p> <ul style="list-style-type: none"> ● ADR/RID: VINYL ACETATE, STABILIZED ● IMDG: VINYL ACETATE, STABILIZED ● IATA: Vinyl acetate, stabilized |



Transport hazard class(es):

- ADR/RID: 3
- MDG: 3
- IATA: 3

Packaging group:

- ADR/RID: II
- IMDG: II
- IATA: II

Environmental hazards:

- ADR/RID: no
- IMDG Marine pollutant: no
- IATA: no

For more information, check the SAFETY DATA SHEET or get contact with us.