

# VINYL ACETATE MONOMER

## 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

### 1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

**Trade name:** Vinyl Acetate

### 1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT  
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Fax: +971 4 4356518 Website: www.rarresin.com

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical characterization:

**CAS No. Description:** 108-05-4 Vinyl Acetate  
**Identification number(s)**  
**EINECS Number:** 203-545-4  
**Index number:** 607-023-00-0

## 3 HAZARDS IDENTIFICATION

### Hazard description:



*F Highly flammable*

**Information concerning particular hazards for human and environment:**  
R 11 Highly flammable.

## 4 FIRST-AID MEASURES

**After Inhalation:** Supply fresh air; consult doctor in case of complaints.  
**After skin contact:** Generally the product does not irritate the skin.  
**After eye contact:** Rinse opened eye for several minutes under running water.  
**After swallowing:** If symptoms persist consult doctor.

## 5 FIRE FIGHTING MEASURES

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
**For safety reasons unsuitable extinguishing agents:** Water with full jet  
**Protective equipment:** No special measures required.

### DISCLAIMER

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## 6 ACCIDENTAL RELEASE MEASURES

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers / surface or ground water.

**Measures for cleaning / collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

## 7 HANDLING AND STORAGE

**Handling:**

**Information for safe handling:**

Ensure good ventilation / exhaustion at the workplace.  
Prevent formation of aerosols.

**Information about fire-and explosion protection:**

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool locations.

**Information about storage in one common storage facility:**

Not required.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional information about design of technical facilities:** No further data;

**Ingredients with limit values that require monitoring at the workplace:**

108-05-4 vinyl acetate

REL (USA) Short-term value: C 15\* mg/m<sup>3</sup>, C 4\* ppm  
\*15min

TLV (USA) Short-term value: 53 mg/m<sup>3</sup>, 15 ppm  
Long-term value: 35 mg/m<sup>3</sup>, 10 ppm

**Additional information:** The list valid during the making were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye Protection:**



*Tightly sealed goggles*

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### General Information:

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Sweetish

### Change in condition

**Melting point / Melting range:** -93.2°C

**Boiling point / Boiling range:** 72°C

**Flash point:** -8°C

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

### Explosion limits:

**Lower:** 2.6 Vol%

**Upper:** 13.4 Vol%

**Vapour pressure at 20°C:** hPa

**Density at 20°C:** 0.93g/cm<sup>3</sup>

**Solubility in / Miscibility with water at 20°C:** 20 g/l

## 10 STABILITY AND REACTIVITY

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

## 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity:

#### LD/LC50 values relevant for classification:

Oral LD50 2920 mg/kg (rat)

Dermal LD50 2335 mg/kg (rabbit)

### Primary irritant effect:

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

## 12 ECOLOGICAL INFORMATION

### General Notes:

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

## 13 DISPOSAL CONSIDERATIONS

### Product:

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

## 14 TRANSPORT INFORMATION

### Land transport ADR/RID (cross-border)



**ADR/RID class:** 3 Flammable liquids.

**Danger code (Kemler):** 339

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**UN-Number:** 1301  
**Packaging Group:** II  
**Hazard label:** 3  
**Description of goods:** 1301 VINYL ACETATE, STABILIZED

**Maritime transport IMDG:**



**IMDG Class:** 3  
**UN Number:** 1301  
**Label:** 3  
**Packaging group:** II  
**EMS Number:** F-E, S-D  
**Marine pollutant:** No  
**Proper shipping name:** VINYL ACETATE, STABILIZED

**Air transport ICAO-TI and IATA-DGR:**



**ICAO/IATA Class:** 3  
**UN/ID Number:** 1301  
**Label:** 3  
**Packaging group:** II  
**Proper shipping name:** VINYL ACETATE, STABILIZED

**15 REGULATORY INFORMATION**

**Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance in Hazardous Materials.

**Code letter and hazard designation of product:**



*F Highly flammable*

**Risk phrases:**

11 Highly flammable.

**Safety phrases:**

2 Keep out of the reach of children.  
16 Keep away from sources of ignition - No smoking.  
23 Do not breathe gas / fumes / vapour / spray (appropriate wording to be specified by the manufacturer).  
29 Do not empty into drains.

**16 OTHER INFORMATION**

This information is based on our present present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department
- **Contact:** RAR Resin Technical Dept.