

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

#### 1.1 Product identifier

Trade name : Vinyl acetate  
Chemical name : Vinyl acetate  
CAS-No : 108-05-4  
EC-No : 203-545-4  
Registration number : 01-2119471301-50-0009

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/ Mixture : Use in polymer production.

#### 1.3 Details of the supplier of the safety data sheet

Company : Nevinnomyssky Azot JSC  
1 Nizyaeva str., Nevinnomyssk, Stavropol Territory, 357107,  
Russia

Telephone : + 7 (86554) 4-42-65

E-mail address : nevinazot@eurochem.ru

Only representative : AB "Lifosa"  
Juodkiskio 50, LT-57502 Kedainiai, Lithuania

Telephone : + (370 347) 66 483

E-mail address : info@lifosa.com

#### 1.4 Emergency telephone number

**Austria:** Poison Control Centre, Tel.: (+43)-1-406-43-43;

**Belgium:** Belgisch Antigifcentrum, Tel.: 070/245-245;

**Bulgaria:** Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов",  
Tel.: (+359)-2-9154-409;

**Croatia:** Poison Control Centre, Tel: (+385)-1-23-48-342;

**Czech Republic:** Toxikologické informační středisko Telefon: (+420)-224-919-293,

**Denmark:** Poison Control Hotline, Tel.: (+45)-82-12-12-12;

**Estonia:** National emergency telephone number: 112 or Poison information telephone number:  
16662, calling from abroad: (+372)-626-93-90;

**Finland:** Poison Information Centre, Tel.: (09)-471-977 (direct) or (09)-4711;

**France:** ORFILA (INRS): (+33)-(0)-1-45-42-59-59;

**Hungary:** Az Egészségügyi Toxikológiai Tájékoztató Szolgálat elérhetőségei Tel: (+36)-80-201-199;

**Latvia:** Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs, Tel.: (+371)-67042473;

**Lithuania:** Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras, Tel.: (+370)-5-  
236-20-52 or (+370)-687-53378;

**Malta:** Mater Dei Hospital, Tel: 2545-0000;

**Portugal:** Centro de Informação Antivenenos (Portuguese Poison Centre), Tel: 808-250-143;

**Romania:** Biroul RSI Si Informare Toxicologica, Tel.: 021-318-36-06 (direct) (8.00 - 15.00);

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

**Slovak Republic:** National Toxicological Information Centre (+421)-2-5477-4166;  
(+420)-224-915-402;  
**Sweden:** 112.

Note: please, consult with your local/national competent authorities for the emergency number in your country.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to REGULATION (EC) No 1272/2008

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Acute toxicity (inhalation), Category 4	H332: Harmful if inhaled.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity, single exposure, Category 3	H335: May cause respiratory irritation.

### 2.2 Label elements

#### Labeling according to REGULATION (EC) No 1272/2008

Hazard pictogram (s) :



GHS02: flame



GHS08: health hazard



GHS07: exclamation mark

Signal Word : Danger

Hazard statements : H225 : Highly flammable liquid and vapour.  
H332 : Harmful if inhaled.  
H351 : Suspected of causing cancer.  
H335 : May cause respiratory irritation.

Precautionary statements : **Prevention:**  
P210 : Keep away from heat, sparks, open flames, hot surfaces. No smoking.  
P271 : Use only outdoors or in a well-ventilated area.  
P280 : Wear protective gloves, protective clothing, eye protection, face protection.

#### **Response:**

P303+P361+P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P312 : Call a POISON CENTER or doctor if you feel unwell.

#### **Storage:**

P405 : Store locked up.

All precautionary statements see Section 16.

### 2.3 Other hazards

The substance is not considered a PBT/vPvB.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product is a chemical substance within the meaning of the REACH Regulation (1907/2006/EC). The following table contains the main constituent at the top.

Chemical Name	Concentration, wt. %	CAS-No	EC-No / Registration number	Index-No	GHS
Vinyl acetate	≤100	108-05-4	203-545-4 / 01-2119471301-50-0009	607-023-00-0	Flam.Liq.2; H225 Acute Tox. 4; H332 Carc. 2; H351 STOT SE 3; H335

For the full text of the H-phrases mentioned in this Section, see Section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately consult a physician.
- Skin contact : In case of contact, immediately flush skin with soap and plenty of water. Consult a physician.
- Eye contact : Protect unharmed eye. If easy to do, remove contact lens, if worn. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### 5.2 Special hazards arising from the substance or mixture

Specific hazards : Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

### 5.3 Advice fire fighters

Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.

Further information : Standard procedure for chemical fires. Use spray water to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedure

Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Remove all sources of ignition. Avoid contact with skin and eyes. Avoid inhalation of vapour, spray or mist. Ensure adequate ventilation, especially in confined areas. Immediately evacuate personnel to safe areas. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special instructions.

### 6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Clean contaminated surface thoroughly.

### 6.4 Reference to other sections

See Section 7, 8, 11, 12 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid contact with skin and eyes. Keep away from sources of ignition – No smoking. Keep away from combustible material. Avoid inhalation of vapor, mist or spray. Prevent the creation of flammable or explosive concentrations of vapour in air. Take precautionary measures against static discharges. Use appropriate container to avoid environmental contamination. Do not carry cloths that have come into contact with the product in your clothing. Handle with care. Avoid exposure - obtain special instructions before use.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

Advice on protection against fire and explosion : Normal measures for preventive fire protection. Keep away from heat and sources of ignition.

### 7.2 Conditions for safe storage including any incompatibilities

Requirements for storage areas and containers : Store in a place accessible by authorized persons only. Keep locked up or in an area accessible only to qualified or authorized persons. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store steel or aluminium containers (tanks).

Advice on common storage : Keep away from food, drink and animal feeding stuffs. Incompatible with acids and bases. Do not store with oxidizing agents, combustible substances and materials.

Storage period : 3 months.

Storage temperature :  $\leq 40$  °C

### 7.3 Specific end use(s)

See Annex I.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components	CAS-No	Control parameters	Basis	Country
Vinyl acetate	108-05-4	TWA: 17,6 mg/m <sup>3</sup> , TWA: 5 ppm STEL: 35,2 mg/m <sup>3</sup> , STEL: 10 ppm	2009/161/EU	EU
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm (8 x 5 min); STEL: 35.2 mg/m <sup>3</sup> (8 x 5 min)	OEL-AT	Austria
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	MB 14.3.2002	Belgium
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	НАРЕДБА № 13	Bulgaria
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	OEL-HR	Croatia
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	OEL-CY	Cyprus
Vinyl acetate	108-05-4	TWA: 18 mg/m <sup>3</sup>	361/2007 Sb.	Czech Republic
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 18 mg/m <sup>3</sup>	OEL-DK	Denmark
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 18 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	RT I 2001, 77, 460	Estonia
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 18 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35 mg/m <sup>3</sup>	HTP-ARVOT 2014	Finland
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm (restrictive limit); STEL: 35.2 mg/m <sup>3</sup> (restrictive limit)	ED984	France
Vinyl acetate	108-05-4	TWA: 5 ppm; 18 mg/m <sup>3</sup>	TRGS 900	Germany
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	LN. 2003/035	Gibraltar
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	OEL-GR	Greece

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

Components	CAS-No	Control parameters	Basis	Country
Vinyl acetate	108-05-4	TWA: 17.6 mg/m <sup>3</sup> ; STEL: 35.2 mg/m <sup>3</sup>	EüM-SzCsM 25/2000	Hungary
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 18 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35 mg/m <sup>3</sup>	S.I. No. 619 of 2001	Ireland
Vinyl acetate	108-05-4	STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup> ; TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup>	OEL-IT	Italy
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	MK 01.02.2011. Nr.92	Latvia
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	2011 m. 1 d. Nr. V-824/A1-389	Lithuania
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	Mémorial 168	Luxembourg
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	S.L.424.24	Malta
Vinyl acetate	108-05-4	TWA: 18 mg/m <sup>3</sup> ; STEL: 36 mg/m <sup>3</sup>	OEL-NL	Netherlands
Vinyl acetate	108-05-4	NDSCh: 30 mg/m <sup>3</sup> (STEL); NDS: 10 mg/m <sup>3</sup> (TWA)	Dz.U. 2014 poz. 817	Poland
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	OEL-PT	Portugal
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	Hotărărea nr. 1218	Romania
Vinyl acetate	108-05-4	TWA: 10 ppm; TWA: 36 mg/m <sup>3</sup>	Nariadenie 300/2007 Z.z.	Slovak Republic
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	OEL-SI	Slovenia
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	OEL-ES	Spain
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 18 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35 mg/m <sup>3</sup>	AFS 2011:18	Sweden
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	EH40/2005	United King- dom
Vinyl acetate	108-05-4	TWA: 5 ppm; TWA: 17.6 mg/m <sup>3</sup> ; STEL: 10 ppm; STEL: 35.2 mg/m <sup>3</sup>	2009/161/EU	EU

### **PNEC (Predicted No effect Concentration)**

PNEC aqua – freshwater	: 0.016 mg/l
PNEC aqua – marine water	: 0.0016 mg/l
PNEC aqua – intermittent releases	: 0.126 mg/l
PNEC sediment (freshwater)	: 0.067 mg/kg dw
PNEC sediment (marine water)	: 0.0067 mg/kg dw
PNEC soil	: 0.0035 mg/kg soil ww
PNEC STP	: 6 mg/l

### **DNEL (Derived No Effect Level)/DMEL (Derived Minimal Effect Level)**

#### Worker:

Short-term exposure systemic effects, inhalation	: 35.2 mg/m <sup>3</sup>
Short-term exposure local effects, inhalation	: 35.2 mg/m <sup>3</sup>
Long-term exposure systemic effects, dermal	: 0.42 mg/kg bw/day
Long-term exposure systemic effects, inhalation	: 17.6 mg/m <sup>3</sup>
Long-term exposure local effects, inhalation	: 17.6 mg/m <sup>3</sup>

#### General population:

Vinyl acetate : There is at present no need for further information and/or testing or for risk reduction measures beyond those which are being applied already.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### 8.2 Exposure controls

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms. Highly effective exhaust ventilation.

#### Personal protective equipment

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Remarks : Use respirators and components tested and approved under appropriate government standards CEN (EU).

#### Hand protection

Material : Butyl-rubber.

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : Tightly fitting safety goggles. Face shield.

Remarks : Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

Skin and body protection : Flame retardant antistatic protective clothing.

Remarks : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
General industrial hygiene practice.  
Avoid breathing vapor, mist or spray.  
Avoid contact with skin, eyes and clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Follow the skin protection plan.  
Wash contaminated clothing before re-use.

#### Environmental exposure controls

See Annex I

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Form	: Liquid
Colour	: Colourless
Odour	: Whiff
Odor threshold	: No data available.
Flash point	: (- 8) °C Method: closed cup
Lower explosion limit	: 2.6 % (vol.)
Upper explosion limit	: 13.4 % (vol.)
Explosive properties	: Not applicable. The study does not need to be conducted as there are no chemical groups associated with explosive properties present in the molecule.
Flammability	: Highly flammable.
Oxidizing properties	: The study does not need to be conducted as the substance is flammable.
Auto-ignition temperature	: 402 °C
Melting point/range	: (- 93.2) °C
pH	: No data available.
Boiling point/boiling range	: 72.7 °C at 101,3 kPa
Vapor pressure	: 113 hPa at 20 °C
Density	: 0.932 g/cm <sup>3</sup> at 20 °C
Bulk density	: Not applicable.
Water solubility	: 0.2 g/cl at 20 °C
Partition coefficient: n-octanol/water	: 0.73 at 20 °C
Solubility in other solvents	: No data available.
Viscosity, dynamic	: 0,42 mPa·s at 20 °C
Viscosity, kinematic	: No data available.
Relative vapor density	: No data available.
Evaporation rate	: No data available.
Decomposition temperature	: No data available.

#### 9.2 Other information

Molecular weight : 86.09 g/mol

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

No data available.

#### 10.2 Chemical stability

Possible risk of polymerization by light or other initiators. The product is stabilized with hydroquinone. No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

No data available.



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### 10.4 Conditions to avoid

Heat, flames and sparks. Exposure to light or other polymerization initiators.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents, combustible substances and materials, acids and bases.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Build-up of dangerous/toxic fumes possible in cases of fire/high temperature:  
Carbon oxides.

Thermal decomposition : No data available.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

Vinyl acetate : LD<sub>50</sub> (rat): 3 500 mg/kg

##### Acute inhalation toxicity

Vinyl acetate : LC<sub>50</sub> (rat): 15 810 mg/m<sup>3</sup>  
Exposure time: 4 h

##### Acute dermal toxicity

Vinyl acetate : LD<sub>50</sub> (rabbit): 7 440 mg/kg

##### Acute toxicity (other routes of administration)

No data available.

#### Skin corrosion / irritation

Skin irritation : Non-irritating.

#### Serious eye damage / eye irritation

Eye irritation : Non-irritating.

#### Sensitization of the respiratory / skin

Skin sensitization : Non skin sensitizing.

Respiratory sensitization : Non respiratory sensitizing.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### Mutagenicity

No mutagenic effect.

### Carcinogenicity

Suspected of causing cancer.

### Reproductive toxicity

No reproductive effect.

### Teratogenicity

No data available.

### Specific target organ toxicity after single exposure

Vapours may cause respiratory irritation.

### Specific target organ toxicity after repeated exposure (sub-acute / sub-chronic)

Repeated dose toxicity: (sub-acute/ sub-chronic)

Vinyl acetate : NOAEL (sub-chronic; mouse): 281 mg/kg bw/day  
Route of application: oral  
Exposure time: 3 months (7 days/week)  
NOAEC (sub-acute; mouse): 176 mg/m<sup>3</sup>  
Route of application: inhalation  
Exposure time: 4 weeks (6 hrs/day; 5 days/week)  
NOAEC (sub-chronic; mouse): 176 mg/m<sup>3</sup>  
Route of application: inhalation  
Exposure time: 3 months (6 hrs/day; 5 days/week)

### Aspiration hazard

No data available.

### Neurological effects

No data available.

### Toxicology, metabolism, distribution

Metabolism: Vinyl acetate is hydrolyzed by carboxylesterases to acetic acid and acetaldehyde, producing protons in the process.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Toxicity to fish:

Vinyl acetate : No data available.

#### Toxicity to daphnia and other aquatic invertebrates:

Vinyl acetate : EC<sub>50</sub> (Daphnia Magna): 12.6 mg/l  
Exposure time: 48 h

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### Toxicity to aquatic plants:

Vinyl acetate : EC<sub>50</sub> (Pseudokirchnerella subcapitata): 12.7 mg/l  
Exposure time: 72 h

### Long-term study fish/ daphnia and other aquatic invertebrates/ aquatic plants:

Vinyl acetate : NOEC (Pimephales promelas): 0.16 mg/l  
Exposure time: 34 days

### **12.2 Persistence and degradability**

Biodegradability : Readily biodegradable.

### **12.3 Bioaccumulation potential**

Vinyl acetate : BCF: 3,16

### **12.4 Mobility in soil**

The study does not need to be conducted as the substance is readily biodegradable.

### **12.5 Results of PBT assessment and vPvB**

The substance is not considered a PBT/vPvB.

### **12.6 Other adverse effects**

Adsorbed organic bound halogens (AOX) : Not included

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

Advice on disposal and packaging : Disposal:  
In accordance with local and national regulations. Do not dispose of waste into sewer. This material and its container must be disposed of in a safe way. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

## **SECTION 14: TRANSPORT INFORMATION**

### **ADR**

UN-Number : 1301  
Description of the goods : VINYL ACETATE, STABILIZED  
Class : 3  
Packing group : II  
Classification Code : F1  
Hazard identification No : 339

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

Labels : 3  
Limited quantity : 1 L  
Tunnel restriction code : D/E  
Environmentally hazardous : no

**RID**  
UN-Number : 1301  
Description of the goods : VINYL ACETATE, STABILIZED  
Class : 3  
Packing group : II  
Classification Code : F1  
Hazard identification No : 339  
Labels : 3  
Limited quantity : 1 L  
Environmentally hazardous : no

**IATA**  
UN-Number : 1301  
Description of the goods : Vinyl acetate, stabilized  
Class : 3  
Packing group : II  
Labels : 3  
Cargo Aircraft Only Pkg/Max : 364 / 60 L  
Net Qty  
Passenger & Cargo Aircraft : 353 / 5 L  
Pkg/Max Net Qty  
Passenger & Cargo Aircraft : Y341 / 1 L  
Pkg/Max Net Qty  
Environmentally hazardous : no

**IMDG**  
UN-Number : 1301  
Description of the goods : VINYL ACETATE, STABILIZED  
Class : 3  
Packing group : II  
Labels : 3  
EmS Number 1 : F-E  
EmS Number 2 : S-D  
Marine pollutant : no

### Special precautions for the user

See Section 6, 7 and 8

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture

Special labelling of certain mixtures : Restricted to professional users.

Seveso Directive (2012/18/EU)	:	P5c Flammable liquids	Quantity 1 5 000 t	Quantity 2 50 000 t
-------------------------------	---	-----------------------	-----------------------	------------------------

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

## Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

### National legislation

Other regulations : Take note of Dir 94/33/EC on the protection of young people at work.  
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

### **15.2 CSA**

The Chemical Safety Assessment was undertaken.

## **SECTION 16: OTHER INFORMATION**

### Hazard statements:

H225 : Highly flammable liquid and vapour.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H351 : Suspected of causing cancer.

### Precautionary statements:

#### **Prevention:**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat, sparks, open flames, hot surfaces. No smoking.  
P233: Keep container tightly closed.  
P240: Ground or bond container and receiving equipment.  
P241: Use explosion-proof electrical, ventilating, lighting equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P261: Avoid breathing vapours.  
P271: Use only outdoors or in well-ventilated area.  
P280: Wear protective gloves, protective clothing, eye protection, face protection.  
P281: Use personal protective equipment as required.

#### **Response:**

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308+P313: IF exposed or concerned: Get medical advice.  
P312: Call a POISON CENTER or doctor if you feel unwell.  
P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

#### **Storage:**

P403+P233: Store in a well-ventilating place. Keep container tightly closed.  
P403+P235: Store in a well-ventilating place. Keep cool.  
P405: Store locked up.

#### **Disposal:**

P501: Dispose of contents or container to in accordance with national regulation.

## SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, Regulation (EU) No 2015/830, Regulation (EC) No 1272/2008

### Vinyl acetate

Revision Date 03.08.2015

Version 3.0

EU / EN

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

#### ANNEX I: EXPOSURE SCENARIOS