



Trade name: Vinylacetat monomer

Product no.: 000108-05-4

Status: 20.04.2005

1.) Identification of the substance/preparation and company**Product details****Trade name****Vinylacetat monomer****Use**

Chemical processes general; Adhesives; Colours

Identification of the manufacturer / supplier**Address**HELM AG
Nordkanalstraße 28
D-20097 Hamburg

Telephone no. +49(0)40 / 2375-0

Fax no. +49(0)40 / 2375-1845

Information provided by / telephone

Telephone: +49(0)40 / 23750 Fax: +49(0)40 / 23751845

Emergency telephone number

+49(0)551 / 19240 {Giftinformationszentrum Nord (GIZ-Nord)} (Service in english)

2.) Composition / information on ingredients**Chemical characterization**

vinyl-acetate

Substance / product identification

Index no. 607-023-00-0

CAS no. 108-05-4

EC no. 203-545-4

3.) Hazards identification**Classification**

F; R11 Highly flammable.

Hazard symbols

F Highly flammable

R phrases

11 Highly flammable.

4.) First aid measures**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Rinse with lots of water.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

After ingestion

Do not induce vomiting. Seek medical attention.

Advice to doctor**Treatment**

If swallowed, in the event of vomiting, risk of product entering the lungs. Administer approximately 0.3 litres paraffin oil oral. If swallowed, flush stomach.

5.) Fire-fighting measures**Suitable extinguishing media**

Carbon dioxide; Water spray jet; extinguishing powder

Extinguishing media that must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for firefighting

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.



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6.) Accidental release measures**Personal precautions**

Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions

Do not allow to enter drains or waterways.

Methods for cleaning up/taking up

Pick up with absorbent material.

7.) Handling and storage**Handling****Advice on safe handling**

Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Take precautionary measures against static charges. Keep away from sources of ignition - refrain from smoking.

Classification of fires

B

Storage**Further information on storage conditions**

Keep container tightly closed, cool and dry.

8.) Exposure controls / personal protection**Exposure limit values****vinyl-acetate**

CAS no.	108-05-4
EC no.	203-545-4

Occupational Exposure Standards (OESs) / EH40

Vinyl acetate

TWA	36	mg/m ³	10	ml/m ³
STEL	72	mg/m ³	20	ml/m ³

Personal protective equipment**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation. In case of insufficient ventilation or long-term effect use breathing apparatus. Filter A or environment-independent breathing apparatus

Hand protection

In case of intensive contact wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Eye protection

Tightly fitting safety glasses (EN 166)

Skin protection

light protective clothing, anti-static

General protective and hygiene measures

At work do not eat, drink, smoke or take drugs. Use barrier skin cream. Wash hands before breaks and after work. Avoid contact with eyes and skin.

9.) Physical and chemical properties**General information**

Form	liquid
Colour	colourless
Odour	sweetish

Important health, safety and environmental information**Changes in physical state**

Type	Melting point	
Value	-93,2	°C
Type	Boiling point	
Value	72	°C

Flash point

Value	-8	°C
Method	ASTM D 92	



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Ignition temperature			
Value	385		°C
Method	DIN 51794		
Explosion limits			
Upper explosion limit	13,4		% vol
Lower explosion limit	2,6		% vol
Vapour pressure			
Value	111		mbar
Reference temperature	20	°C	
Density			
Value	0,93		g/cm ³
Reference temperature	20	°C	
Viscosity			
Type	dynamic		
Value	0,43		mPa*s
Reference temperature	20	°C	
Solubility in water			
Value	20		g/l
Reference temperature	20	°C	
pH value			
Value	7		

10.) Stability and reactivity

Conditions to avoid

Reactions with acids, alkalies and oxidizing agents. If heating up polymerisation. Formation of explosive gas/air mixtures.
Reactions with light metals. Reactions with amines.

Hazardous decomposition products

Carbon monoxide and carbon dioxide

Thermal decomposition

Remarks No decomposition below 350°C.

11.) Toxicological information

Acute toxicity

Acute oral toxicity

Species rat 2920 mg/kg

Acute dermal toxicity

Species rabbit 2335 mg/kg

Acute inhalational toxicity

Duration of exposure 14,29 h mg/l
Species rat 4

Irritant/corrosive effects

Irritant effect on skin

Evaluation slight irritant effect - does not require labelling

Irritant effect on eyes

Evaluation slight irritant effect - does not require labelling

Effects after repeated or prolonged exposition (subacute, subchronic, chronic)

Reproduction toxicity

Remarks Indications of toxic effects are available from reproduction studies in animals.

Carcinogenicity

Value Indications of possible carcinogenic effects in animal studies are available.

12.) Ecological information

Ecotoxic effects

Bacteria toxicity

ECO > 1000 mg/l

General information / ecology

Do not discharge into surface waters/groundwater.



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13.) Disposal considerations**Product**

Dispose of as hazardous waste.

Packaging

Packaging that cannot be cleaned should be disposed off as product waste.

Uncontaminated packaging may be taken for recycling.

14.) Transport information**Land transport ADR/RID**

Class	3	Classification code	F1
Packaging group	II		
Hazard id. no.	339		
Label	3		
UN number	1301		
Technical name	Vinyl acetate, stabilized		

Marine transport IMDG

Class	3
Packaging group	II
UN number	1301
Proper shipping name	Vinyl acetate, stabilized
EmS	F-E, S-D
MARPOL	-
Label	3

Air transport ICAO/IATA

Class	3
Packaging group	II
UN number	1301
Proper shipping name	Vinyl acetate, stabilized
Label	3

15.) Regulatory information**Labelling in accordance with EC directives**

"EC-label"

EC no. 203-545-4

Hazard symbols

F Highly flammable

Hazardous component(s) to be indicated on label, contains:

vinyl-acetate

R phrases

11 Highly flammable.

S phrases

2 Keep out of the reach of children.
16 Keep away from sources of ignition --- No smoking.
23.3 Do not breathe vapour.
29 Do not empty into drains.
33 Take precautionary measures against static discharges.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I No. 7b

16.) Other information**Further information**

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The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

EC Directive 2001/58/EC as amended in each case.

EC Directive 2000/39/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.