

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006

**Mucopren Adhäsiv**

Print date: 09.01.2012

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier**

Mucopren Adhäsiv

**Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Adhesive for Mucopren soft.

**Details of the supplier of the safety data sheet**

Company name:	Kettenbach GmbH & Co. KG	
Street:	Im Heerfeld 7	
Place:	D-35713 Eschenburg	
Telephone:	+ 49(0) 2774/705-0	Telefax: +49 (0)2774/705-87
e-mail:	info@kettenbach.de	
Internet:	www.kettenbach.de	
Responsible Department:	QM	

**Emergency telephone:** +49 (0)30 30686790 (English/German)**SECTION 2: Hazards identification****Classification of the substance or mixture**

Indications of danger : Highly flammable, Irritant

R-phrases:

Highly flammable.

Irritating to eyes.

May cause sensitization by skin contact.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Possible harmful effect(s) on the environment: No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**Label elements**

Danger symbols:

F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

**Hazardous components which must be listed on the label**

methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate

**R phrases**

- |    |                                                       |
|----|-------------------------------------------------------|
| 11 | Highly flammable.                                     |
| 36 | Irritating to eyes.                                   |
| 43 | May cause sensitization by skin contact.              |
| 66 | Repeated exposure may cause skin dryness or cracking. |
| 67 | Vapours may cause drowsiness and dizziness.           |

**S phrases**

- |       |                                   |
|-------|-----------------------------------|
| 37    | Wear suitable gloves.             |
| 24/25 | Avoid contact with skin and eyes. |

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**Other hazards**

Highly flammable.

Possible harmful effect(s) on human beings and possible symptom(s): Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**SECTION 3: Composition/information on ingredients****Mixtures****Chemical characterization**

Polymethyl methacrylate Copolymer in ethyl acetate.

**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
205-500-4	ethyl acetate	ca. 90 %
141-78-6	F, Xi R11-36-66-67	
607-022-00-5	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
201-297-1	methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate	< 5 %
80-62-6	F, Xi R11-37/38-43	
607-035-00-6	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures****Description of first aid measures****After inhalation**

Provide fresh air. Seek medical attention if problems persist.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Have victim drink large quantities of water, with active charcoal if possible. Do not induce vomiting. Consult physician. As a laxative affected person should drink sodium sulfate (1 tablespoon per 1 glass of water) with plenty of activated coal.

**Indication of any immediate medical attention and special treatment needed**

Caution if victim vomits: Risk of aspiration!

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.**Extinguishing media which must not be used for safety reasons**

High power water jet.

**Special hazards arising from the substance or mixture**

Combustible. Vapours are heavier than air and will spread at floor level. Formation of potentially

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explosive mixtures with: Air. In case of fire and/or explosion do not breathe fumes.

**Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Take precautionary measures against static discharges.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Provide fresh air. Remove all sources of ignition. Provide adequate ventilation.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods and material for containment and cleaning up**

Wipe up with absorbent material (eg. cloth, fleece). Clean contaminated articles and floor according to the environmental legislation.

**SECTION 7: Handling and storage****Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in steam space of closed systems.

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

**Further information on handling**

Provide fresh air.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

After use replace the closing cap immediately. Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place.

**Further information on storage conditions**

Protect against: heat.

**SECTION 8: Exposure controls/personal protection****Control parameters****Exposure limits (EH40)**

CAS No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL

**Exposure controls****Protective and hygiene measures**

Change contaminated clothing.

Wash hands before breaks and at the end of work. Protect skin by using skin protective cream.

**Respiratory protection**

Respiratory protection required in case of: exceeding critical value

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**Hand protection**

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications.

**Eye protection**

Framed glasses.

**Skin protection**

Wear suitable protective clothing.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

**Test method**

pH-Value: not applicable

**Changes in the physical state**

Boiling point:	< 77 °C
Flash point:	ca. - 4 °C DIN 51758
Lower explosion limits:	2,1 vol. %
Upper explosion limits:	11,5 vol. %
Ignition temperature:	460 °C DIN 51794
Vapour pressure: (at 20 °C)	97 hPa
Density (at 20 °C):	0,9 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	ca. 85 g/L

**SECTION 10: Stability and reactivity****Conditions to avoid**

heat.

**Incompatible materials**

Alkali metals. Oxidizing agents.

**Hazardous decomposition products**

No data available

**Further information**

Highly flammable. Vapours may form explosive mixtures with air.

**SECTION 11: Toxicological information****Information on toxicological effects****Acute toxicity**

Acute toxicity, oral: LD50: > 5000 mg/kg Rat.

**Irritation and corrosivity**

Irritant effect on the skin: Has de-greasing effect on the skin.

Irritant effect on the eye: irritant.

**Sensitizing effects**

no danger of sensitization.

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### Further information

Harmful by inhalation and if swallowed.  
 Hazards identification: Nausea. Headache. Vapours may cause drowsiness and dizziness.  
 After skin contact: Has de-greasing effect on the skin.  
 Following eye contact: Irritant.  
 Harmful: may cause lung damage if swallowed. pneumonia.

## SECTION 12: Ecological information

### Toxicity

Toxic to aquatic organisms.  
 Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

### Bioaccumulative potential

No indication of bio-accumulation potential.

### Further information

Do not allow uncontrolled leakage of product into the environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

#### Advice on disposal

Waste disposal according to official state regulations.

#### Contaminated packaging

Cleaned containers may be recycled.

## SECTION 14: Transport information

### Land transport (ADR/RID)

UN number: 1173  
UN proper shipping name: ETHYL ACETATE, mixture  
Transport hazard class(es): 3  
Packing group: II  
 Hazard label: 3



Hazard-no.: 33

### Inland waterways transport

UN number: 1173  
UN proper shipping name: ETHYL ACETATE, mixture  
Transport hazard class(es): 3

### Marine transport

UN number: 1173  
UN proper shipping name: ETHYL ACETATE, mixture  
Transport hazard class(es): 3  
Packing group: II

### Air transport

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**UN/ID number:** 1173  
**UN proper shipping name:** ETHYL ACETATE, mixture  
**Transport hazard class(es):** 3  
**Packing group:** II  
**Hazard label:** 3



IATA-packing instructions - Passenger: 305  
 IATA-max. quantity - Passenger: 5  
 IATA-packing instructions - Cargo: 307  
 IATA-max. quantity - Cargo: 60

## SECTION 15: Regulatory information

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

#### EU regulatory information

#### Additional information

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

#### National regulatory information

Water contaminating class (D): 3 - highly water contaminating

## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3

- 11 Highly flammable.
- 36 Irritating to eyes.
- 37/38 Irritating to respiratory system and skin.
- 43 May cause sensitization by skin contact.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

### Full text of H-Statements referred to under sections 2 and 3

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*