

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 1 of 7

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

1.1. Product identifier

Mucopren adhesive

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

Use of the substance/mixture

Adhesive for Mucopren soft.

1.3. 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	
Contact person:	Regulatory Affairs Manager	Telephone: +49 (0)2774/705-0
Internet:	www.kettenbach.de	
Responsible Department:	Regulatory Affairs	

1.4. Emergency telephone number: +49 (0)30 30686790 (English/German)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: F - Highly flammable, Xi - Irritant

R phrases:

Highly flammable.

Irritating to eyes.

May cause sensitisation 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.

GHS classification

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause drowsiness or dizziness.

2.2. Label elements

Hazardous components which must be listed on the label

ethyl acetate

methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate

Signal word: Danger

Pictograms: GHS02-GHS07

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 2 of 7



Hazard statements

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

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
------	--

2.3. 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

3.2. 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 - Highly flammable, Xi - Irritant 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 - Highly flammable, Xi - Irritant 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

4.1. 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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 3 of 7

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

Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. Foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours are heavier than air and will spread at floor level. Formation of potentially explosive mixtures with: Air. In case of fire and/or explosion do not breathe fumes.

5.3. 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

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. 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

7.1. 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.

7.2. 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

8.1. Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 4 of 7

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/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

8.2. 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

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

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

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/cm³

Water solubility:
(at 20 °C) ca. 85 g/L

Test method

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

heat.

10.5. Incompatible materials

Alkali metals. Oxidizing agents.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 5 of 7

10.6. Hazardous decomposition products

No data available

Further information

Highly flammable. Vapours may form explosive mixtures with air.

SECTION 11: Toxicological information

11.1. 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.

Sensitising effects

no danger of sensitization.

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

12.1. 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.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Further information

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. 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)

<u>14.1. UN number:</u>	1173
<u>14.2. UN proper shipping name:</u>	ETHYL ACETATE, mixture
<u>14.3. Transport hazard class(es):</u>	3
<u>14.4. Packing group:</u>	II
Hazard label:	3

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 6 of 7



Hazard No: 33

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO)

14.1. UN number: 1173
14.2. UN proper shipping name: ETHYL ACETATE, mixture
14.3. Transport hazard class(es): 3
14.4. 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

15.1. 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 sensitisation by skin contact.
 66 Repeated exposure may cause skin dryness or cracking.
 67 Vapours may cause drowsiness and dizziness.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Mucopren adhesive

Print date: 13.06.2014

Product code: 001413

Page 7 of 7

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.)