



Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Mucopren Soft

Print date: 09.01.2012

Page 1 of 4

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

Product identifier

Mucopren Soft

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

Use of the substance/mixture

Permanently soft, polyvinyl siloxane liner. For dental use.

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

This mixture is not classified as dangerous according to Directive 1999/45/EC.

Label elements

Additional advice on labelling

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

Other hazards

No risks worthy of mention.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

Preparation of silicone polymers and fillers with platinum-catalyst (ppm-range).

SECTION 4: First aid measures

Description of first aid measures

After inhalation

not applicable

After contact with skin

In general the product is not skin irritative.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Seek medical attention if problems persist.

SECTION 5: Firefighting measures

Extinguishing media



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Suitable extinguishing mediaWater fog. Foam. Carbon dioxide (CO₂).**Advice for firefighters**

Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Not required.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically.

Reference to other sections

No release of hazardous substances.

SECTION 7: Handling and storage

Precautions for safe handling**Advice on safe handling**

No special precautionary measures are necessary.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

Further information on handling

No special precautionary measures are necessary.

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

No special requirements.

Advice on storage compatibility

Not required.

Further information on storage conditions

No special requirements.

SECTION 8: Exposure controls/personal protection

Control parameters**Exposure controls****Occupational exposure controls**

not applicable

Protective and hygiene measures

The usual precautions when handling chemicals have to be obtained.

Avoid contact with skin, eye and clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Single-use gloves.

Suitable material: PE (polyethylene).

Unsuitable materials: NR (Natural rubber (Caoutchouc), Natural latex).

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.



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Eye protection

Not required.

Skin protection

Not required.

Environmental exposure controls

Not required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-----------------|---|
| Physical state: | Paste |
| Colour: | Hardener paste: pink transparent. Base paste: colourless transparent. |
| Odour: | odourless |

pH-Value:

Test method
neutral**Changes in the physical state**

| | |
|----------------|----------------|
| Melting point: | not applicable |
| Boiling point: | not applicable |

Explosive properties

not Explosive.

Density (at 20 °C): 1,1 - 1,2 g/cm³

Water solubility: insoluble

SECTION 10: Stability and reactivity

Conditions to avoid

None by intended use.

Incompatible materials

None by intended use.

Hazardous decomposition products

None by intended use.

Further information

Please pay attention to the Directions for Use.

SECTION 11: Toxicological information

Information on toxicological effects**Acute toxicity**

Acute toxicity, oral LD50: > 2000 mg/kg Rat.

Irritation and corrosivity

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: Not an irritant.

Sensitizing effects

no danger of sensitization.

SECTION 12: Ecological information

Toxicity

product has not been tested.



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Further information

Do not empty into drains or the aquatic environment.

1 ()

Doesn't get into the sewage water as long as the process is carried out according to regulations.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Remove according to the regulations.

Additional information:

Waste disposal number of waste from residues/unused products

070217 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes containing silicones other than those mentioned in 07 02 16

Waste disposal number of used product

200399 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other municipal wastes; municipal wastes not otherwise specified

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Other applicable information

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

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.)



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Mucopren Versiegelungssilicon

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This mixture is not classified as dangerous according to Directive 1999/45/EC.

Label elements

Additional advice on labelling

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

Other hazards

No risks worthy of mention.

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Mixtures

Chemical characterization

Preparation of silicone polymers and fillers with platinum-catalyst (ppm-range).

SECTION 4: First aid measures

Description of first aid measures

After inhalation

not applicable

After contact with skin

In general the product is not skin irritative.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Seek medical attention if problems persist.

SECTION 5: Firefighting measures

Extinguishing media



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Suitable extinguishing mediaWater fog. Foam. Carbon dioxide (CO₂).**Advice for firefighters**

Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Not required.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically.

Reference to other sections

No release of hazardous substances.

SECTION 7: Handling and storage

Precautions for safe handling**Advice on safe handling**

No special precautionary measures are necessary.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

Further information on handling

No special precautionary measures are necessary.

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

No special requirements.

Advice on storage compatibility

Not required.

Further information on storage conditions

No special requirements.

SECTION 8: Exposure controls/personal protection

Control parameters**Exposure controls****Occupational exposure controls**

not applicable

Protective and hygiene measures

The usual precautions when handling chemicals have to be obtained.

Avoid contact with skin, eye and clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Single-use gloves.

Suitable material: PE (polyethylene).

Unsuitable materials: NR (Natural rubber (Caoutchouc), Natural latex).

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.



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Eye protection

Not required.

Skin protection

Not required.

Environmental exposure controls

Not required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-----------------|---|
| Physical state: | Paste |
| Colour: | Hardener paste: pink transparent. Base paste: colourless transparent. |
| Odour: | odourless |

Test method

| | |
|-----------|---------|
| pH-Value: | neutral |
|-----------|---------|

Changes in the physical state

| | |
|----------------|----------------|
| Melting point: | not applicable |
| Boiling point: | not applicable |

Explosive properties

not Explosive.

| | |
|---------------------|-----------------------------|
| Density (at 20 °C): | 1,1 - 1,2 g/cm ³ |
| Water solubility: | insoluble |

SECTION 10: Stability and reactivity

Conditions to avoid

None by intended use.

Incompatible materials

None by intended use.

Hazardous decomposition products

None by intended use.

Further information

Please pay attention to the Directions for Use.

SECTION 11: Toxicological information

Information on toxicological effects**Acute toxicity**

Acute toxicity, oral LD50: > 2000 mg/kg Rat.

Irritation and corrosivity

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: Not an irritant.

Sensitizing effects

no danger of sensitization.

SECTION 12: Ecological information

Toxicity

product has not been tested.



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Remove according to the regulations.

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Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Other applicable information

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

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.)



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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 (CO₂). 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 ³ | mg/m ³ | 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 |

pH-Value:

Test method
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 ³ |
| 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.

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