1.1. Product identifier

110 Renia - Colle de Cologne - all purpose cement

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

Use of the substance/mixture
- Adhesives, sealants
- Roller application or brushing of adhesive and other coating.
- Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name: Renia Gesellschaft mbH. Chemische Fabrik
D
Street: Ostmerheimer Straße 516
Place: D-51109 Köln (Cologne)
Post-office box: 910659
D-51076 Köln (Cologne)
Telephone: +49-221-630799-0
Telefax: +49-221-630799-50
Contact person: Heinz Buchholz Dipl.Chem
Telephone: 16
E-mail: info@renia.com
E-mail: labor@renia.com
Internet: www.renia.com
Responsible Department: Labor 07:30 - 16:00 Uhr

1.4. Emergency telephone number:

+49-221-630799-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
- Flammable liquid: Flam. Liq. 2
- Skin corrosion/irritation: Skin Irrit. 2
- Serious eye damage/eye irritation: Eye Irrit. 2
- Respiratory or skin sensitisation: Skin Sens. 1
- Specific target organ toxicity - single exposure: STOT SE 3
- Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:
- Highly flammable liquid and vapour.
- Causes skin irritation.
- Causes serious eye irritation.
- May cause an allergic skin reaction.
- May cause drowsiness or dizziness.
- Toxic to aquatic life with long lasting effects.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling
- ethyl acetate
- methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate
- Rosin, colophony

Signal word: Danger
**Hazard statements**

- **H225** Highly flammable liquid and vapour.
- **H315** Causes skin irritation.
- **H317** May cause an allergic skin reaction.
- **H319** Causes serious eye irritation.
- **H336** May cause drowsiness or dizziness.
- **H411** Toxic to aquatic life with long lasting effects.

**Precautionary statements**

- **P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **P235** Keep cool.
- **P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.
- **P311** If metal is on fire: Use a dry chemical extinguishing agent.
- **P303+P361+P353** If skin irritation or rash occurs: Get medical advice/attention.
- **P370+P378** In case of fire: Use ... to extinguish.
- **P501** Dispose of contents/container to ....

**Additional advice on labelling**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

2.3. **Other hazards**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**SECTION 3: Composition/information on ingredients**

3.2. **Mixtures**

**Chemical characterization**

- Grafted polychloroprene adhesive with modified synthetic resins and stabilizers in a mixture of organic solvents.
Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td>35 - &lt; 45 %</td>
</tr>
<tr>
<td>64742-49-0</td>
<td>Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha</td>
<td>25 - &lt; 35 %</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>10 - &lt; 15 %</td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl 2-methylprop-2-enoate, methyl Z-methylpropenoate, methyl methacrylate</td>
<td>1 - &lt; 5 %</td>
</tr>
<tr>
<td>8050-09-7</td>
<td>Rosin, colophony</td>
<td>0.1 - &lt; 1 %</td>
</tr>
</tbody>
</table>

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
Remove affected person from the danger area and lay down.

After inhalation
Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin
Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. Grease skin after contact.

After contact with eyes
In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion
Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

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

Allergic reactions.

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

Treat symptomatically. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Where appropriate artificial ventilation.

SECTION 5: Firefighting measures

5.1. Extinguishing media
## Suitable extinguishing media
- Carbon dioxide (CO2), alcohol resistant foam. Extinguishing powder, ABC powder. Atomized water. Dry sand.

## Unsuitable extinguishing media
- High power water jet. High power water jet.

### 5.2. Special hazards arising from the substance or mixture
- Flammable. Vapours can form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes. In case of fire may be liberated: Hydrogen chloride (HCl). Burning produces heavy smoke.

### 5.3. Advice for firefighters
- Special exposure hazards arising from the substance itself, combustion products, resulting gases: In case of fire: Wear self-contained breathing apparatus.

### Additional information
- Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures
- Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/vapour/aerosol.

### 6.2. Environmental precautions
- Do not allow to enter into surface water or drains. Cover drains.

### 6.3. Methods and material for containment and cleaning up
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections
- Safe handling: see section 7
- Personal protection equipment: see section 8
- Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling
- **Advice on safe handling**
  - This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).
  - If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

- **Advice on protection against fire and explosion**
  - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours / aerosols must be extracted by suction immediately at point of origin. Take precautionary measures against static discharges.

### 7.2. Conditions for safe storage, including any incompatibilities
- **Requirements for storage rooms and vessels**
  - Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.
  - Recommended storage temperature: 15-30 °C Ensure adequate ventilation of the storage area.

- **Advice on storage compatibility**
  - Do not store together with: Oxidising agent, Pyrophoric or self-heating substances. Store packaging and combustible materials separately from one another. Keep away from food, drink and animal feedingstuffs.

- **Further information on storage conditions**
  - Floors should be impervious, resistant to liquids and easy to clean.
7.3. Specific end use(s)

Adhesives, sealants Roller application or brushing of adhesive and other coating.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>Ethyl acetate</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td>-</td>
<td>-</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>80-62-6</td>
<td>Methyl methacrylate</td>
<td>50</td>
<td>208</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>416</td>
<td>-</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene: mixed isomers</td>
<td>50</td>
<td>220</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>441</td>
<td>-</td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

Biological Monitoring Guidance Values (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Parameter</th>
<th>Value</th>
<th>Test material</th>
<th>Sampling time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene, o-, m-, p- or mixed isomers</td>
<td>methyl hippuric acid</td>
<td>650 mmol/mol</td>
<td>urine</td>
<td>Post shift</td>
</tr>
</tbody>
</table>
### DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>DNEL type</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>1468 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>1468 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>63 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>734 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>37 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>367 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>4.5 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>367 mg/m³</td>
</tr>
<tr>
<td>64742-49-0</td>
<td>Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha</td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>13964 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>5306 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>1377 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>1137 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>1601 mg/kg bw/day</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>1.6 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>108 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>180 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>174 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
<td>289 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>14.8 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>77 mg/m³</td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>210 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>13.67 mg/kg bw/day</td>
</tr>
</tbody>
</table>
PNEC values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td></td>
<td>0.26 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater</td>
<td>0.26 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0.026 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>0.34 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>0.034 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0.22 mg/kg</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td></td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0.327 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>12.46 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>12.46 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>2.31 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td></td>
<td>6.58 mg/l</td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate</td>
<td></td>
<td>0.94 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater</td>
<td>0.94 mg/l</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

**Appropriate engineering controls**
If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Protective and hygiene measures**
Do not eat, drink, smoke or sneeze at the workplace. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

**Eye/face protection**
Tightly sealed safety glasses.

**Hand protection**
Test suitability of gloves before use.
Suitable material: Butyl caoutchouc (butyl rubber)
Thickness of the glove material : 0.5 mm
Breakthrough time (maximum wearing time) : >= 1 h
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**
When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

**Respiratory protection**
Respiratory protection necessary at: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387) Use the following filter types for cleaning waste gases: A-P2
Environmental exposure controls
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>light yellow</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>ester</td>
<td></td>
</tr>
<tr>
<td>pH-Value</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Changes in the physical state</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>65 °C</td>
<td>DIN 53 171</td>
</tr>
<tr>
<td>Sublimation point</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Softening point</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Pour point</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>-16 °C</td>
<td>DIN 51 755</td>
</tr>
<tr>
<td>Sustaining combustion</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Vapours can form explosive mixtures with air.</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limits</td>
<td>1 vol. %</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>11,5 vol. %</td>
<td></td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>200 °C</td>
<td>DIN 51 794</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Gas</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidising</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>175 hPa</td>
<td>DIN EN 12</td>
</tr>
<tr>
<td>(at 20 °C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>950 hPa</td>
<td></td>
</tr>
<tr>
<td>(at 50 °C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density (at 20 °C):</td>
<td>0,84 g/cm³</td>
<td>DIN 51 757</td>
</tr>
<tr>
<td>Bulk density</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>The study does not need to be conducted because the substance is known to be insoluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Viscosity / dynamic</td>
<td>1200-2000 mPa·s</td>
<td>DIN 51550</td>
</tr>
<tr>
<td>(at 20 °C)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
110 Renia - Colle de Cologne - all purpose cement

Revision date: 04.01.2018
Product code: 110.000Xylene
Page 9 of 15

Viscosity / kinematic: not determined
Flow time: > 300 (3 mm)
(at 20 °C)
Vapour density: not determined
Evaporation rate: not determined
Solvent separation test: < 0,1 %
Solvent content: 80,50 %

9.2. Other information
Solid content: 19,50 %

SECTION 10: Stability and reactivity

10.1. Reactivity
The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

10.2. Chemical stability
The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

10.3. Possibility of hazardous reactions
Gas/vapour, highly flammable. Vapours can form explosive mixtures with air.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Decomposition takes place from temperatures above: > 150 °C

10.5. Incompatible materials
Acid, concentrated., Oxidizing agents, strong.

10.6. Hazardous decomposition products
Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicokinetics, metabolism and distribution
There are no data available on the preparation/mixture itself.

Acute toxicity
Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.
**Irritation and corrosivity**
Causes skin irritation.
Causes serious eye irritation.
Frequently or prolonged contact with skin may cause dermal irritation.

**Sensitising effects**
May cause an allergic skin reaction. (methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate; Rosin, colophony)
May cause sensitization by inhalation and skin contact. Contains: Kolophonium, MMA

**Carcinogenic/mutagenic/toxic effects for reproduction**
Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

**STOT-single exposure**
May cause drowsiness or dizziness. (ethyl acetate)
There are no data available on the preparation/mixture itself.

**STOT-repeated exposure**
Based on available data, the classification criteria are not met.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Inhalation causes narcotic effects/intoxication.
Aspiration hazard
Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal
There are no data available on the preparation/mixture itself.

Additional information on tests
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Long term fish toxicity. Product is easily volatile. Product is slightly soluble in test vehicle. An aqueous dispersion has been tested.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>230 mg/l</td>
<td>96 h</td>
<td>Pimephales promelas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>EC50</td>
<td>3300 mg/l</td>
<td>72 h</td>
<td>Scenedesmus subspicatus</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>717 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-49-0</td>
<td>Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>10 mg/l</td>
<td>96 h</td>
<td>Fisch</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>EC50</td>
<td>10 mg/l</td>
<td>72 h</td>
<td>Alge</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>10 mg/l</td>
<td>48 h</td>
<td>Daphnie</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>26 mg/l</td>
<td>96 h</td>
<td>Pimephales promelas</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>EC50</td>
<td>4 mg/l</td>
<td>72 h</td>
<td>Pseudokirchneriella subcapitata</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>165 mg/l</td>
<td>48 h</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>80 mg/l</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute algae toxicity</td>
<td>EC50</td>
<td>110 mg/l</td>
<td>72 h</td>
<td>Selenastrum capricornutum</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>69 mg/l</td>
<td>48 h</td>
<td>Daphnia Magna</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish toxicity</td>
<td>NOEC</td>
<td>9.4 mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
Product is biodegradable with difficulty.

12.3. Bioaccumulative potential
There are no data available on the preparation/mixture itself.

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td>0.6</td>
</tr>
<tr>
<td>64742-49-0</td>
<td>Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha</td>
<td>4-5</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>3</td>
</tr>
<tr>
<td>80-62-6</td>
<td>methyl 2-methylprop-2-enoate, methyl 2-methylpropenoate, methyl methacrylate</td>
<td>1.38</td>
</tr>
</tbody>
</table>
12.4. Mobility in soil
   There are no data available on the preparation/mixture itself.

12.5. Results of PBT and vPvB assessment
   There are no data available on the preparation/mixture itself.

12.6. Other adverse effects
   Toxic to aquatic life with long lasting effects.

Further information
   Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal
   Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste disposal number of waste from residues/unused products
   080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of used product
   080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of contaminated packaging
   150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

Contaminated packaging
   Dispose according to legislation. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)
   14.1. UN number:           UN 1133
   14.2. UN proper shipping name: Adhesives Hazardous Material: Naphta
   14.3. Transport hazard class(es): 3
   14.4. Packing group:       III
   Hazard label:             3

Classification code: F1
Special Provisions: 640H
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 33
Tunnel restriction code: D/E

Other applicable information (land transport)
Additional information on classification: 2.2.3.1.4 ADR / GGVSEB

Inland waterways transport (ADN)
14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives Hazardous Material: Naphta
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3

Classification code: F1
Special Provisions: 640H
Limited quantity: 5 L
Excepted quantity: E1

Other applicable information (inland waterways transport)
Additional information on classification: 2.2.3.1.4 ADR / GGVSEB

Marine transport (IMDG)
14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives Hazardous Material: Naphta
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3

Marine pollutant: No
Special Provisions: 223, 955
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-E, S-D
Segregation group: acids

Other applicable information (marine transport)
Category: A
Additional information on classification: 2.3.2.2 IMDG-Code

Air transport (ICAO-TII/IATA-DGR)
14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives Hazardous Material: Naphta
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3
Special Provisions: A3
Limited quantity Passenger: 10 L
Passenger LQ: Y344
Excepted quantity: E1
IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

Other applicable information (air transport)
@000000000024 220 L
Special provisions: A3

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: yes

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information
Restrictions on use (REACH, annex XVII):
Entry 28: Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha
2010/75/EU (VOC): 100 % (840 g/l)
2004/42/EC (VOC): 100 % (840 g/l)

Additional information

National regulatory information
Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water contaminating class (D): 2 - clearly water contaminating
Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes
This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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