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

1.1. Product identifier
Rhepanol-Kontaktkleber 50 S

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

Use of the substance/mixture
- adhesives

Uses advised against
- Only use for the intended purpose.
- The product is intended for professional use.

1.3. Details of the supplier of the safety data sheet

Company name: FDT Flachdach Technologie GmbH & Co. KG
Street: Eisenbahnstraße 6-8
Place: D-68199 Mannheim
Telephone: +49 (621) 8504100
Fax: +49 (621) 8504200
E-mail: kundenservice@fdt.de
Contact person: Marco Anderer
Telephone: +49 (621) 8504563
E-mail: marco.anderer@fdt.de
Internet: http://www.fdt.de
Responsible Department: Arbeitssicherheit und Umweltschutz

1.4. Emergency telephone number:
Poison Control Center (Mayence, GER)
+49 (0)6131-19240 (24h - de, en)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008
Hazard categories:
- Aerosol: Aerosol 1
- Skin corrosion/irritation: Skin Irrit. 2
- Specific target organ toxicity - single exposure: STOT SE 3
- Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:
- Extremely flammable aerosol.
- Pressurised container: May burst if heated.
- Causes skin irritation.
- May cause drowsiness or dizziness.
- Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazardous components which must be listed on the label
- Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
- Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
- Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
- Hydrocarbons, C6, isoalkanes, <5% n-hexane

Signal word: Danger

Pictograms:
Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin 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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with national disposal regulations.

2.3. Other hazards

The components in this mixture do not meet the criteria for classification as PBT or vPvB.
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
**Hazardous components**

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC No</td>
<td>Index No</td>
<td>REACH No</td>
</tr>
<tr>
<td>115-10-6</td>
<td>dimethyl ether</td>
<td>50-100 %</td>
</tr>
<tr>
<td>204-065-8</td>
<td>603-019-00-8</td>
<td>01-2119472128-37</td>
</tr>
<tr>
<td>Flam. Gas 1, Compressed gas; H220 H280</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbons, C6-C7, isoalkanes, cyclics, &lt;5% n-hexane</td>
<td>5-&lt;15 %</td>
<td></td>
</tr>
<tr>
<td>926-605-8</td>
<td></td>
<td>01-2119486291-36</td>
</tr>
<tr>
<td>Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</td>
<td>2,5-&lt;10 %</td>
<td></td>
</tr>
<tr>
<td>927-510-4</td>
<td></td>
<td>01-2119475515-33</td>
</tr>
<tr>
<td>Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</td>
<td>1,0-&lt;5,0 %</td>
<td></td>
</tr>
<tr>
<td>921-024-6</td>
<td></td>
<td>01-2119475514-35</td>
</tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</td>
<td>1,0-&lt;5,0 %</td>
<td></td>
</tr>
<tr>
<td>931-254-9</td>
<td></td>
<td>01-2119484651-34</td>
</tr>
<tr>
<td>Flam. Liq. 2, STOT SE 3, Asp. Tox. 1; H225 H336 H304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>1,0-&lt;2,5 %</td>
</tr>
<tr>
<td>200-662-2</td>
<td>606-001-00-8</td>
<td>01-2119471330-49</td>
</tr>
<tr>
<td>Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-54-3</td>
<td>n-hexane</td>
<td>1,0-&lt;2,5 %</td>
</tr>
<tr>
<td>203-777-6</td>
<td>601-037-00-0</td>
<td>01-2119480412-44</td>
</tr>
<tr>
<td>Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H225 H361f H315 H336 H373 H304 H411</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-82-7</td>
<td>cyclohexane</td>
<td>1,0-&lt;2,5 %</td>
</tr>
<tr>
<td>203-806-2</td>
<td>601-017-00-1</td>
<td>01-2119483273-41</td>
</tr>
<tr>
<td>Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410</td>
<td></td>
<td></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**

In case of troubles or persistent symptoms, consult a doctor/physician. Remove persons from danger area and lie them down. Never orally infuse something to an unconscious person. No special first aid measures necessary. A vomiting, supine person must be brought into recovery position.

**After inhalation**

Provide fresh air. In case of respiratory tract irritation, consult a physician. In case of irregular breathing or respiratory arrest, perform artificial respiration.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Subsequently wash off with: Polyethylene glykol 400. Change contaminated clothing. In case of skin irritation, consult a physician.
Rhepanol-Kontakkleber 50 S

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Print date: 15.09.2015
Product code: RCSO-FDT-003
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After contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion
Rinse mouth, spit liquid again. Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed
After skin contact: Irritation and reddening.
May cause drowsiness or dizziness.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Carbon dioxide (CO2). Sand. Extinguishing powder.

Unsuitable extinguishing media
Water.

5.2. Special hazards arising from the substance or mixture
Thermal decomposition can lead to harmful gases and vapours.

5.3. Advice for firefighters
Co-ordinate fire-fighting measures to the fire surroundings. Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information
Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions
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.

6.3. Methods and material for containment and cleaning up
Pick up dry. Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
Do not rinse with water or watery detergents.

6.4. Reference to other sections
Personal precautions: refer to section 8.
Safe handling: see section 7
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Provide adequate ventilation as well as local exhaustion at critical locations. Handle and open container with care.

Advice on protection against fire and explosion
Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.
7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Store only in original container. Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

- adhesives

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>67-64-1</td>
<td>Acetone</td>
<td>500</td>
<td>1210</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
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<tr>
<td></td>
<td></td>
<td>1500</td>
<td>3620</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>110-82-7</td>
<td>Cyclohexane</td>
<td>100</td>
<td>350</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300</td>
<td>1050</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>115-10-6</td>
<td>Dimethyl ether</td>
<td>400</td>
<td>766</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500</td>
<td>958</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>110-54-3</td>
<td>n-Hexane</td>
<td>20</td>
<td>72</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>
### DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Hydrocarbons, C6-C7, isoalkanes, cyclics, &lt;5% n-hexane</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td></td>
<td>1301 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>1377 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>13964 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>1131 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>5306 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td></td>
<td>149 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>149 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>300 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>477 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>2085 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>699 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>773 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>608 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>2035 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td></td>
<td>699 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td></td>
<td>1301 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>1377 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>13964 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>1137 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>5306 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>67-64-1 acetone; propan-2-one; propanone</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td></td>
<td>62 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>62 mg/kg bw/day</td>
</tr>
<tr>
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<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td></td>
<td>186 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>200 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td></td>
<td>2420 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td></td>
<td>1210 mg/m³</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>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>Freshwater</td>
<td>10.6 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>1.06 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>29.5 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>3.04 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>30.4 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>100 mg/l</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

**Protective and hygiene measures**
Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Avoid skin, eye and clothing contact. After contact with skin, wash immediately with plenty of water and soap or a suitable cleaning agent.

**Eye/face protection**
Tightly fitting safety glasses with side shields.

**Hand protection**
Protect skin by using skin protective cream. Wear suitable gloves. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Skin protection**
Full cover clothing covering arms and legs.

**Respiratory protection**
Use protective filter mask in case of short-term and low exposure; in case of intense or longer exposure, use respiratory protection device operating independently from circulating air.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>lime-green</td>
</tr>
<tr>
<td>Odour:</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

**Test method**

**pH-Value:** not determined

**Changes in the physical state**

<table>
<thead>
<tr>
<th>Melting point:</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>&lt;35 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>-40 °C</td>
</tr>
</tbody>
</table>

**Flammability**

| Gas: | not determined |

**Explosive properties**
not determined
Rhepanol-Kontaktkleber 50 S

Lower explosion limits: 1,1 vol. %
Upper explosion limits: 18,6 vol. %
Ignition temperature: 235 °C

Auto-ignition temperature
Gas: not determined

Decomposition temperature: not determined

Oxidizing properties
not determined

Vapour pressure: 5200 hPa (at 20 °C)

Density (at 20 °C): 0,88 g/cm³ DIN ISO 2811-1

Water solubility: partially miscible

Partition coefficient: not determined

Viscosity / dynamic: 3000 mPa·s ISO 2555
(at 20 °C)

Viscosity / kinematic: not determined

Vapour density: not determined

Solvent content: 88,9%

9.2. Other information

Solid content: 50% (DIN EN 827.8.2)

No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactivity under regular conditions.

10.2. Chemical stability
The product is stable under regular conditions.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
No further information available.

10.5. Incompatible materials
No further information available.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.
### Irritation and corrosivity
Causes skin irritation.

### Sensitising effects
Based on available data, the classification criteria are not met.

### STOT—single exposure
May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane), (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane), (Hydrocarbons, C6, isoalkanes, <5% n-hexane), (acetone; propan-2-one; propanone), (n-hexane), (cyclohexane)

### Severe effects after repeated or prolonged exposure
Based on available data, the classification criteria are not met.

### Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

### Aspiration hazard
Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity
Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>LC50</td>
<td>5540 mg/l</td>
<td>Onchorhynchus mykiss</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute fish toxicity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td></td>
<td></td>
<td>Daphnia magna</td>
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</tr>
<tr>
<td></td>
<td>NOEC</td>
<td></td>
<td></td>
<td>Selenastrum capricornutum</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability
No data available.

#### 12.3. Bioaccumulative potential
No data available.

### 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>67-64-1</td>
<td>acetone; propan-2-one; propanone</td>
<td>-0,24</td>
</tr>
<tr>
<td>110-54-3</td>
<td>n-hexane</td>
<td>3,9</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
The components in this mixture do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal
Disposal according to official regulations. Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of waste from residues/unused products
160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging
150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances
Classified as hazardous waste.

Contaminated packaging
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3501
14.2. UN proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (dimethyl ether)
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1

Classification code: 8F
Special Provisions: 274 659
Limited quantity: 0
Excepted quantity: E0

Inland waterways transport (ADN)

14.1. UN number: UN 3501
14.2. UN proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (dimethyl ether)
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.1
Rhepanol-Kontaktkleber 50 S

Classification code: 8F
Special Provisions: 274 659
Limited quantity: 0
Excepted quantity: E0

Marine transport (IMDG)
14.1. UN number: UN 3501
14.2. UN proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (dimethyl ether)
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1

Air transport (ICAO)
14.1. UN number: UN 3501
14.2. UN proper shipping name: CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (dimethyl ether)
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
Hazard label: 2.1

Special Provisions: A1 A187
Limited quantity Passenger: Forbidden
Passenger LQ: Forbidden
Excepted quantity: E0
IATA-packing instructions - Passenger: Forbidden
IATA-max. quantity - Passenger: Forbidden
IATA-packing instructions - Cargo: 218
IATA-max. quantity - Cargo: 75 kg

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: yes

14.6. Special precautions for user
No special precautions known.

14.7. Transport in bulk according to Annex II of MARPOL73/78 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

- 2004/42/EC (VOC): 88.9%
  751.3g/l

Additional information

- Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable
- Regulation (EC) No. 648/2004 (Detergents regulation): not applicable
- REGULATION (EC) No 850/2004 on persistent organic pollutants: not applicable
- REGULATION (EC) No 689/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).
- This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none
- This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

- Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
- dimethyl ether
- Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
- Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
- Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
- Hydrocarbons, C6, isoalkanes, <5% n-hexane
- acetone; propan-2-one; propanone
- n-hexane
- cyclohexane

SECTION 16: Other information

Changes

- Version 1.00 - Creation - 27.11.2014
- Version 1.01 - Classification/Labeling according Regulation No.1272/2008 (GHS/CLP) and general revision - 15.06.2015
- Version 1.02 - Change and revision of the SDS because of new information / recipe - 03.09.2015

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)
- CAS: Chemical Abstracts Service
- EC: Effective Concentration
- EG: European Community (Europäische Gemeinschaft)
- EN: European Norm
- IATA: International Air Transport Association
- IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Code for Dangerous Goods
- CLP: Classification, Labeling, Packaging
- IUCLID: International Uniform Chemical Information Database
<table>
<thead>
<tr>
<th>LC: Lethal concentration</th>
<th>LD: Lethal dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>log Kow: Octanol/water partition coefficient</td>
<td></td>
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<tr>
<td>MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships</td>
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<tr>
<td>OECD: Organisation for Economic Co-operation and Development</td>
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<tr>
<td>PBT: Persistent, bio-cumulative, toxic</td>
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<tr>
<td>RID: Regulation Concerning the International Transport of Dangerous Goods by Rail</td>
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</tr>
<tr>
<td>TRGS: Technische Regeln für Gefahrstoffe</td>
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<tr>
<td>VOC: Volatile Organic Compounds</td>
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<tr>
<td>vPvB: very persistent and very bio-cumulative</td>
<td></td>
</tr>
<tr>
<td>VvVwS: Administrative Regulation for Water Pollutants</td>
<td></td>
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<tr>
<td>WGK: German Water Hazard Class</td>
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<tr>
<td>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</td>
<td></td>
</tr>
<tr>
<td>EINECS: European Inventory of Existing Commercial Chemical Substances</td>
<td></td>
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<tr>
<td>ELINCS: European List of Notified Chemical Substances</td>
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<tr>
<td>DNEL: Derived No Effect Level</td>
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</tr>
<tr>
<td>PNEC: Predicted No Effect Concentration</td>
<td></td>
</tr>
<tr>
<td>TLV: Threshold Limiting Value</td>
<td></td>
</tr>
<tr>
<td>STOT: Specific Target Organ Toxicity</td>
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</tr>
</tbody>
</table>

**Relevant H and EUH statements (number and full text)**

- **H220**: Extremely flammable gas.
- **H222**: Extremely flammable aerosol.
- **H225**: Highly flammable liquid and vapour.
- **H229**: Pressurised container: May burst if heated.
- **H280**: Contains gas under pressure; may explode if heated.
- **H304**: May be fatal if swallowed and enters airways.
- **H315**: Causes skin irritation.
- **H319**: Causes serious eye irritation.
- **H336**: May cause drowsiness or dizziness.
- **H361f**: Suspected of damaging fertility.
- **H373**: May cause damage to organs through prolonged or repeated exposure.
- **H400**: Very toxic to aquatic life.
- **H410**: Very toxic to aquatic life with long lasting effects.
- **H411**: Toxic to aquatic life with long lasting effects.
- **EUH066**: Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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www.reacheck.eu

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