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

1.1 Product identifier

Bremsflüssigkeit SL6 DOT 4 250 ml
Art.: 21166

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

Relevant identified uses of the substance or mixture:
Hydraulic fluid

Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jerg-Wieland-Str. 4, 89081 Ulm-Lehr, Germany
Phone:(+49) 0731-1420-0, Fax:(+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:
---
Telephone number of the company in case of emergencies:
+49 (0) 700 / 24 112 112 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)
The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

EUH210-Safety data sheet available on request.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).
The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients
3.1 Substance
n.a.

3.2 Mixture

<table>
<thead>
<tr>
<th>Substance</th>
<th>Registration number (REACH)</th>
<th>Index</th>
<th>EINECS, ELINCS, NLP</th>
<th>CAS</th>
<th>content %</th>
<th>Classification according to Regulation (EC) 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-(2-butoxyethoxy)ethoxy)ethanol</td>
<td>---</td>
<td>603-183-00-0</td>
<td>---</td>
<td>205-682-6</td>
<td>1-10</td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td>2-(2-methoxyethoxy)ethanol</td>
<td>Substance for which an EU exposure limit value applies.</td>
<td>---</td>
<td>603-107-00-6</td>
<td>203-906-6</td>
<td>0,1-&lt;3</td>
<td>Repr. 2, H361d</td>
</tr>
</tbody>
</table>

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures
First-aiders should ensure they are protected!
Never pour anything into the mouth of an unconscious person!

Inhalation
Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.

Skin contact
Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion
Rinse the mouth thoroughly with water.
Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.
The following may occur:
Ingestion of large quantities:
effects/damages the central nervous system
Kidney damage
Coma
Death

4.3 Indication of any immediate medical attention and special treatment needed
Symptomatic treatment.
Antidote:
None known

SECTION 5: Firefighting measures

5.1 Extinguishing media
5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
- Oxides of carbon
- Boron oxide
- Irritating vapours
- Irritating gases
- Danger of bursting (explosion) when heated
- Peroxides

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes.
- Protective respirator with independent air supply.
- Full protection, if necessary.
- Cool container at risk with water.
- Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
- Ensure sufficient supply of air.
- Avoid contact with eyes or skin.
- Keep non-essential personnel away.

6.2 Environmental precautions
- If leakage occurs, dam up.
- Resolve leaks if this possible without risk.
- Prevent from entering drainage system.
- Prevent surface and ground-water infiltration, as well as ground penetration.
- If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up
- Soak up with absorbent material (e.g. sand, earth) and dispose of according to Section 13.
- Flush residue using copious water.

6.4 Reference to other sections
- For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations
- Ensure good ventilation.
- Avoid aerosol formation.
- Avoid contact with eyes.
- Avoid long lasting or intensive contact with skin.
- Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
- Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace
- General hygiene measures for the handling of chemicals are applicable.
- Wash hands before breaks and at end of work.
- Keep away from food, drink and animal feedingstuffs.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
- Not to be stored in gangways or stair wells.
- Store product closed and only in original packing.
- Protect against moisture and store closed.
Store in a well ventilated place.
Avoid contact with other chemicals.

7.3 Specific end use(s)
See definition of the substance or mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>2-(2-methoxyethoxy)ethanol</th>
<th>Content %: 0.1-&lt;3</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEL-TWA:</td>
<td>10 ppm (50.1 mg/m³) (WEL, EU)</td>
<td>WEL-STEL: ---</td>
</tr>
<tr>
<td>Monitoring procedures:</td>
<td>---</td>
<td>Other information: Sk (WEL, EU)</td>
</tr>
<tr>
<td>BMGV:</td>
<td>---</td>
<td></td>
</tr>
</tbody>
</table>

**WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

2-(2-butoxyethoxy)ethanol

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Descriptor</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment - freshwater</td>
<td>PNEC</td>
<td>1,5</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - marine</td>
<td>PNEC</td>
<td>0,15</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sediment, marine</td>
<td>PNEC</td>
<td>0,13</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sediment, freshwater</td>
<td>PNEC</td>
<td>5,77</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - soil</td>
<td>PNEC</td>
<td>0,45</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sewage treatment plant</td>
<td>PNEC</td>
<td>200</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - water, sporadic (intermittent) release</td>
<td>PNEC</td>
<td>5</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Consumer

<table>
<thead>
<tr>
<th>Condition</th>
<th>Human - dermal</th>
<th>Long term, systemic effects</th>
<th>DNEL</th>
<th>25</th>
<th>mg/kg bw/day</th>
</tr>
</thead>
</table>

Consumer

<table>
<thead>
<tr>
<th>Condition</th>
<th>Human - inhalation</th>
<th>Long term, systemic effects</th>
<th>DNEL</th>
<th>117</th>
<th>mg/m³</th>
</tr>
</thead>
</table>

Consumer

<table>
<thead>
<tr>
<th>Condition</th>
<th>Human - oral</th>
<th>Long term, systemic effects</th>
<th>DNEL</th>
<th>2,5</th>
<th>mg/kg bw/day</th>
</tr>
</thead>
</table>

Workers / employees

<table>
<thead>
<tr>
<th>Condition</th>
<th>Human - dermal</th>
<th>Long term, systemic effects</th>
<th>DNEL</th>
<th>50</th>
<th>mg/kg bw/day</th>
</tr>
</thead>
</table>

Workers / employees

<table>
<thead>
<tr>
<th>Condition</th>
<th>Human - inhalation</th>
<th>Long term, systemic effects</th>
<th>DNEL</th>
<th>195</th>
<th>mg/m³</th>
</tr>
</thead>
</table>

2-(2-methoxyethoxy)ethanol

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Descriptor</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment - freshwater</td>
<td>PNEC</td>
<td>12</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - marine</td>
<td>PNEC</td>
<td>1,2</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Environmental fate and behavior

| Environment - water, sporadic (intermittent) release | PNEC | 12 | mg/l |
| Environment - sediment, freshwater | PNEC | 44,4 | mg/kg dw |
| Environment - sediment, marine | PNEC | 0,44 | mg/l |
| Environment - soil | PNEC | 2,44 | mg/kg dw |

**Consumer**

| Human - dermal | Long term, systemic effects | DNEL | 0,27 | mg/kg bw/day |

**Consumer**

| Human - inhalation | Long term, systemic effects | DNEL | 25 | mg/m3 |

**Consumer**

| Human - oral | Long term, systemic effects | DNEL | 1,5 | mg/kg bw/day |

**Workers / employees**

| Human - dermal | Long term, systemic effects | DNEL | 0,53 | mg/kg bw/day |

| Human - inhalation | Long term, systemic effects | DNEL | 50,1 | mg/m3 |

### 2-(2-(2-methoxyethoxy)ethoxy)ethanol

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Descriptor</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environment - freshwater</td>
<td>PNEC</td>
<td>10</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - marine</td>
<td>PNEC</td>
<td>1</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - water, sporadic (intermittent) release</td>
<td>PNEC</td>
<td>50</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sediment, freshwater</td>
<td>PNEC</td>
<td>36,8</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - marine</td>
<td>PNEC</td>
<td>0,8</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - soil</td>
<td>PNEC</td>
<td>1,73</td>
<td>mg/kg dw</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - sewage treatment plant</td>
<td>PNEC</td>
<td>200</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environment - oral (animal feed)</td>
<td>PNEC</td>
<td>89</td>
<td>mg/kg feed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Consumer**

| Human - dermal | Long term, systemic effects | DNEL | 20 | mg/kg bw/d |

**Consumer**

| Human - inhalation | Long term, systemic effects | DNEL | 93 | mg/m3 |

**Consumer**

| Human - oral | Long term, systemic effects | DNEL | 2 | mg/kg bw/d |

**Workers / employees**

| Human - dermal | Long term, systemic effects | DNEL | 40 | mg/kg bw/d |

| Human - inhalation | Long term, systemic effects | DNEL | 156 | mg/m3 |

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques. These are specified by e.g. BS EN 14042. BS EN 14042 “Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents”.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Tight fitting protective goggles (EN 166) with side protection, with danger of projections.
According to operation.

Face protection (EN 166)

Skin protection - Hand protection:
Chemical resistant protective gloves (EN 374).
Protective gloves in butyl rubber (EN 374).
Safety gloves made of natural rubber latex (EN 374).
Protective nitrile gloves (EN 374).
Protective PVC gloves (EN 374)
Minimum layer thickness in mm:
\( \geq 0.5 \)
Permeation time (penetration time) in minutes:
\( \geq 480 \)
The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.
The recommended maximum wearing time is 50% of breakthrough time.
Protective hand cream recommended.

Skin protection - Other:
Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
Normally not necessary.
If fumes build up, use suitable breathing mask.
Heating:
Filter A2 P2 (EN 14387), code colour brown, white
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls
No information available at present.

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>Amber</td>
</tr>
<tr>
<td>Odour:</td>
<td>Mild</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value:</td>
<td>7-11.5</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>&gt;260 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt;120 °C (IP 35 (Pensky-Martens, open cup))</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower explosive limit:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper explosive limit:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>&lt;2 mbar</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
Stable when handled and stored correctly.

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions
Can form explosive peroxides.
Base metals - hydrogen gas formation.

10.4 Conditions to avoid
See also section 7.
Strong heat

10.5 Incompatible materials
See also section 7.
Avoid contact with strong oxidizing agents.
Carefully avoid contamination of the product with foreign substances.

10.6 Hazardous decomposition products
See also section 5.2
No decomposition when used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
</tbody>
</table>
### Specific target organ toxicity - repeated exposure (STOT-RE):

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>5100-6616 mg/kg</td>
<td>Rat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;2000-6540 mg/kg</td>
<td>Rabbit</td>
<td>OECD 471 (Bacterial Reverse Mutation Test)</td>
<td>Negative</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Symptoms:</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Toxicity / effect

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>9210 mg/kg</td>
<td>Rat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>6500 mg/kg</td>
<td>Rabbit</td>
<td></td>
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</tbody>
</table>

### Toxicity / effect

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>1305-4600 mg/l</td>
<td>Leuciscus idus</td>
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<td></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LC50</td>
<td>1350-2400 mg/l</td>
<td>Pimephales promelas</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to fish:</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to algae:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.2. Persistence and degradability:</td>
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<td>12.3. Bioaccumulative potential:</td>
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<td>12.4. Mobility in soil:</td>
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<td>12.5. Results of PBT and vPvB assessment</td>
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<td>12.6. Other adverse effects:</td>
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</tbody>
</table>

### 2-[2-(2-butoxyethoxy)ethoxy]ethanol

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>1305-4600 mg/l</td>
<td>Leuciscus idus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>1350-2400 mg/l</td>
<td>Pimephales promelas</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
12.1 Toxicity to daphnia: EC50 48h 500-2802 mg/l Daphnia magna
12.1 Toxicity to algae: EC50 72h >500 mg/l Scenedesmus subspicatus
12.2 Persistence and degradability: 14d 88 %

Bremsflüssigkeit SL6 DOT 4 250 ml
Art.: 21166

12.1 Toxicity to fish: LC50 24h >5000 mg/l Leuciscus idus
12.1 Toxicity to algae: EC50 72h >500 mg/l Scenedesmus subspicatus

SECTION 13: Disposal considerations

13.1 Waste treatment methods
For the substance / mixture / residual amounts
EC disposal code no.: The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)
16 01 13 brake fluids
Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. dispose at suitable refuse site. E.g. suitable incineration plant.

For contaminated packing material
Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements
14.1 UN number: n.a.

Transport by road/by rail (ADR/RID)
14.2 UN proper shipping name: n.a.
14.3 Transport hazard class(es): n.a.
14.4 Packing group: n.a.
Classification code: n.a.
LQ: n.a.
14.5 Environmental hazards: Not applicable

Transport by sea (IMDG-code)
14.2 UN proper shipping name: n.a.
14.3 Transport hazard class(es): n.a.
14.4 Packing group: n.a.
Marine Pollutant: n.a.
14.5 Environmental hazards: Not applicable

Transport by air (IATA)
14.2 UN proper shipping name: n.a.
14.3 Transport hazard class(es): n.a.
14.4 Packing group: n.a.
14.5 Environmental hazards: Not applicable
14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:
Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!
2-(2-methoxyethoxy)ethanol
General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC): 0,35 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: n.a.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):
Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).
H361d Suspected of damaging the unborn child.
H318 Causes serious eye damage.
Eye Dam. — Serious eye damage
Repr. — Reproductive toxicity

Any abbreviations and acronyms used in this document:

AC Article Categories
acc., acc. to according, according to
ACGIH American Conference of Governmental Industrial Hygienists
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL Acceptable Operator Exposure Level
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV Biological monitoring guidance value (EH40, UK)
BOD Biochemical oxygen demand
BSEF Bromine Science and Environmental Forum
bw body weight
ODP  Ozone Depletion Potential
OECD Organisation for Economic Co-operation and Development
org. organic
PAH polycyclic aromatic hydrocarbon
PBT persistent, bioaccumulative and toxic
PC Chemical product category
PE Polyethylene
PNEC Predicted No Effect Concentration
POCP Photochemical ozone creation potential
ppm parts per million
PROC Process category
PTFE Polytetrafluorethylene
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT Self-Accelerating Decomposition Temperature
SAR Structure Activity Relationship
SU Sector of use
SVHC Substances of Very High Concern
Tel. Telephone
ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WHO World Health Organization
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90
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