

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Rhepanol-Kontaktkleber 50 S

Print date: 15.09.2015

Product code: RCSO-FDT-003

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#### 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                                 | Telefax: +49 (621) 8504200   |
| e-mail:                 | kundenservice@fdt.de                              |                              |
| Contact person:         | Marco Anderer                                     | Telephone: +49 (621) 8504563 |
| e-mail:                 | marco.anderer@fdt.de                              |                              |
| Internet:               | <a href="http://www.fdt.de">http://www.fdt.de</a> |                              |
| 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:**



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#### 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

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#### Hazardous components

| CAS No   | Chemical name   |              |                  | Quantity   |
|----------|---|--------------|------------------|------------|
|          | EC No   | Index No     | REACH No         |            |
|          | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |              |                  |            |
| 115-10-6 | dimethyl ether  |              |                  | 50-100 %   |
|          | 204-065-8   | 603-019-00-8 | 01-2119472128-37 |            |
|          | Flam. Gas 1, Compressed gas; H220 H280  |              |                  |            |
|          | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane  |              |                  | 5-<15 %    |
|          | 926-605-8   |              | 01-2119486291-36 |            |
|          | Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411  |              |                  |            |
|          | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  |              |                  | 2,5-<10 %  |
|          | 927-510-4   |              | 01-2119475515-33 |            |
|          | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411                                |              |                  |            |
|          | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane   |              |                  | 1,0-<5,0 % |
|          | 921-024-6   |              | 01-2119475514-35 |            |
|          | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411                                |              |                  |            |
|          | Hydrocarbons, C6, isoalkanes, <5% n-hexane  |              |                  | 1,0-<5,0 % |
|          | 931-254-9   |              | 01-2119484651-34 |            |
|          | Flam. Liq. 2, STOT SE 3, Asp. Tox. 1; H225 H336 H304  |              |                  |            |
| 67-64-1  | acetone; propan-2-one; propanone  |              |                  | 1,0-<2,5 % |
|          | 200-662-2   | 606-001-00-8 | 01-2119471330-49 |            |
|          | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066  |              |                  |            |
| 110-54-3 | n-hexane  |              |                  | 1,0-<2,5 % |
|          | 203-777-6   | 601-037-00-0 | 01-2119480412-44 |            |
|          | 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 |              |                  |            |
| 110-82-7 | cyclohexane   |              |                  | 1,0-<2,5 % |
|          | 203-806-2   | 601-017-00-1 | 01-2119463273-41 |            |
|          | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410          |              |                  |            |

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 an 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.

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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 (CO<sub>2</sub>). 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 exhaust 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.

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#### 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)

| CAS No   | Substance      | ppm  | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|----------|----------------|------|-------------------|-----------|---------------|--------|
| 67-64-1  | Acetone        | 500  | 1210              |           | TWA (8 h)     | WEL    |
|          |                | 1500 | 3620              |           | STEL (15 min) | WEL    |
| 110-82-7 | Cyclohexane    | 100  | 350               |           | TWA (8 h)     | WEL    |
|          |                | 300  | 1050              |           | STEL (15 min) | WEL    |
| 115-10-6 | Dimethyl ether | 400  | 766               |           | TWA (8 h)     | WEL    |
|          |                | 500  | 958               |           | STEL (15 min) | WEL    |
| 110-54-3 | n-Hexane       | 20   | 72                |           | TWA (8 h)     | WEL    |
|          |                | -    | -                 |           | STEL (15 min) | WEL    |

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#### DNEL/DMEL values

| CAS No                   | Substance   |        |                        |
|--------------------------|---|--------|------------------------|
| DNEL type                | Exposure route  | Effect | Value                  |
|                          | Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane            |        |                        |
| Consumer DNEL, long-term | oral  |        | 1301 mg/kg bw/day      |
| Consumer DNEL, long-term | dermal  |        | 1377 mg/kg bw/day      |
| Worker DNEL, long-term   | dermal  |        | 13964 mg/kg bw/day     |
| Consumer DNEL, long-term | inhalation  |        | 1131 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | inhalation  |        | 5306 mg/m <sup>3</sup> |
|                          | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics                  |        |                        |
| Consumer DNEL, long-term | oral  |        | 149 mg/kg bw/day       |
| Consumer DNEL, long-term | dermal  |        | 149 mg/kg bw/day       |
| Worker DNEL, long-term   | dermal  |        | 300 mg/kg bw/day       |
| Consumer DNEL, long-term | inhalation  |        | 477 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   | inhalation  |        | 2085 mg/m <sup>3</sup> |
|                          | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane |        |                        |
| Consumer DNEL, long-term | dermal  |        | 699 mg/kg bw/day       |
| Worker DNEL, long-term   | dermal  |        | 773 mg/kg bw/day       |
| Consumer DNEL, long-term | inhalation  |        | 608 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   | inhalation  |        | 2035 mg/m <sup>3</sup> |
| Consumer DNEL, long-term | oral  |        | 699 mg/kg bw/day       |
|                          | Hydrocarbons, C6, isoalkanes, <5% n-hexane                        |        |                        |
| Consumer DNEL, long-term | oral  |        | 1301 mg/kg bw/day      |
| Consumer DNEL, long-term | dermal  |        | 1377 mg/kg bw/day      |
| Worker DNEL, long-term   | dermal  |        | 13964 mg/kg bw/day     |
| Consumer DNEL, long-term | inhalation  |        | 1137 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | inhalation  |        | 5306 mg/m <sup>3</sup> |
| 67-64-1                  | acetone; propan-2-one; propanone                                  |        |                        |
| Consumer DNEL, long-term | oral  |        | 62 mg/kg bw/day        |
| Consumer DNEL, long-term | dermal  |        | 62 mg/kg bw/day        |
| Worker DNEL, long-term   | dermal  |        | 186 mg/kg bw/day       |
| Consumer DNEL, long-term | inhalation  |        | 200 mg/m <sup>3</sup>  |
| Worker DNEL, acute       | inhalation  |        | 2420 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | inhalation  |        | 1210 mg/m <sup>3</sup> |

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#### PNEC values

| CAS No   | Substance                        |            |
|--|----------------------------------|------------|
| Environmental compartment                        |                                  | Value      |
| 67-64-1  | acetone; propan-2-one; propanone |            |
| Freshwater                                       |                                  | 10,6 mg/l  |
| Marine water                                     |                                  | 1,06 mg/l  |
| Soil   |                                  | 29,5 mg/kg |
| Marine sediment                                  |                                  | 3,04 mg/kg |
| Freshwater sediment                              |                                  | 30,4 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |                                  | 100 mg/l   |

#### 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

Physical state: liquid  
 Colour: lime-green  
 Odour: characteristic

#### Test method

pH-Value: not determined

##### Changes in the physical state

Melting point: not determined  
 Initial boiling point and boiling range: <35 °C  
 Flash point: -40 °C

##### Flammability

Gas: not determined

##### Explosive properties

not determined

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|                                  |                                       |
|----------------------------------|---------------------------------------|
| Lower explosion limits:          | 1,1 vol. %                            |
| Upper explosion limits:          | 18,6 vol. %                           |
| Ignition temperature:            | 235 °C                                |
| <b>Auto-ignition temperature</b> |                                       |
| Gas:                             | not determined                        |
| Decomposition temperature:       | not determined                        |
| <b>Oxidizing properties</b>      |                                       |
| not determined                   |                                       |
| Vapour pressure:                 | 5200 hPa                              |
| (at 20 °C)                       |                                       |
| Density (at 20 °C):              | 0,88 g/cm <sup>3</sup> 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 information available.

#### **10.5. Incompatible materials**

No 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.



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| CAS No   | Chemical name                    |        |              |         |          |
|----------|----------------------------------|--------|--------------|---------|----------|
|          | Exposure routes                  | Method | Dose         | Species | Source   |
| 115-10-6 | dimethyl ether                   |        |              |         |          |
|          | inhalative (4 h) vapour          | LC50   | 308 mg/l     | Rat     |          |
| 67-64-1  | acetone; propan-2-one; propanone |        |              |         |          |
|          | oral                             | LD50   | 5800 mg/kg   | Rat     | OECD 401 |
|          | dermal                           | LD50   | >15800 mg/kg | Rat     |          |
|          | inhalative (4 h) vapour          | LC50   | 76 mg/l      | Rat     |          |

#### 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.

| CAS No   | Chemical name                    |        |           |           |                           |                    |
|----------|----------------------------------|--------|-----------|-----------|---------------------------|--------------------|
|          | Aquatic toxicity                 | Method | Dose      | [h]   [d] | Species                   | Source             |
| 67-64-1  | acetone; propan-2-one; propanone |        |           |           |                           |                    |
|          | Acute fish toxicity              | LC50   | 5540 mg/l | 96 h      | Onchorhynchus mykiss      |                    |
|          | Acute crustacea toxicity         | EC50   | 6100 mg/l | 48 h      | Daphnia magna             |                    |
|          | Algae toxicity                   | NOEC   | 4740 mg/l | 2 d       | Selenastrum capricornutum |                    |
| 110-54-3 | n-hexane                         |        |           |           |                           |                    |
|          | Acute fish toxicity              | LC50   | 2,5 mg/l  | 96 h      | Pimephales promelas       | Geiger et al. 1990 |

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

No data available.

#### Partition coefficient n-octanol/water

| CAS No   | Chemical name                    | Log Pow |
|----------|----------------------------------|---------|
| 67-64-1  | acetone; propan-2-one; propanone | -0,24   |
| 110-54-3 | n-hexane                         | 3,9     |

### 12.4. Mobility in soil

No data available.

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#### 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

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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



Special Provisions: 274, 362  
Limited quantity: 0  
Excepted quantity: E0  
EmS: F-D, S-U

#### 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

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## 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)

BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Rhepanol-Kontaktkleber 50 S

Print date: 15.09.2015

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LC: Lethal concentration  
LD: Lethal dose  
log Kow: Octanol/water partition coefficient  
MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships  
OECD: Organisation for Economic Co-operation and Development  
PBT: Persistent, bio-cumulative, toxic  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
TRGS: Technische Regeln für Gefahrstoffe  
VOC: Volatile Organic Compounds  
vPvB: very persistent and very bio-cumulative  
VwVwS: Administrative Regulation for Water Pollutants  
WGK: German Water Hazard Class  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
TLV: Threshold Limiting Value  
STOT: Specific Target Organ Toxicity

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