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

1.1. Product identifier
   Rhepanol Paste schwarz

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

Use of the substance/mixture
   sealant

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
Contact person: Marco Anderer
Telephone: +49 (621) 8504563
Internet: http://www.fdt.de

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:
   - Flammable solid: Flam. Sol. 1
   - Specific target organ toxicity - single exposure: STOT SE 3
   - Specific target organ toxicity - repeated exposure: STOT RE 1
   - Hazardous to the aquatic environment: Aquatic Chronic 2
   Hazard Statements:
   - Flammable solid.
   - May cause drowsiness or dizziness.
   - Causes damage to organs through prolonged or repeated exposure.
   - Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008
   Hazard components for labelling
   Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
   Signal word: Danger

   Pictograms:

   Hazard statements
   - H228 Flammable solid.
   - H336 May cause drowsiness or dizziness.
   - H372 Causes damage to organs through prolonged or repeated exposure.
Rhepanol Paste schwarz

Product code: RCSO-FDT-011

Print date: 23.11.2015

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.
- P260 Do not breathe mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P501 Dispose of contents/container in accordance with national disposal regulations.

EUH066 Repeated exposure may cause skin dryness or cracking.

Special labelling of certain mixtures
In use, may form flammable/explosive vapour-air mixture.
The components in this mixture do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>919-446-0</td>
<td>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411 EUH066</td>
<td>20-30 %</td>
</tr>
<tr>
<td>01-219458049-33</td>
<td></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. Change contaminated clothing. In case of skin irritation, consult a physician.

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. Do NOT induce vomiting. Aspiration hazard.

4.2. Most important symptoms and effects, both acute and delayed
### 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). Extinguishing powder. Water spray. Fight larger fires with water spray jet or alcohol-resistant foam.
- **Unsuitable extinguishing media**
  - High power water jet.

#### 5.2. Special hazards arising from the substance or mixture

- Vapours may form explosive mixtures with air. Vapours are heavier than air and will spread at floor level.
- 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. Keep away from sources of ignition. No smoking.
- 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

- Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

- Safe handling: see section 7
- Personal precautions: refer to section 8.
- 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.

#### 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. Store in a dry
place. Protect from frost.

7.3. Specific end use(s)

sealant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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. Suitable material: NBR (Nitrile rubber). (0,8mm / Diffusion time: >240min)

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. short-term filtering equipment: AX (DIN EN 371 / DIN EN 141 / DIN EN 143)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
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</tr>
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<tbody>
<tr>
<td>Colour:</td>
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<tr>
<td>Odour:</td>
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</table>

pH-Value: not determined

Changes in the physical state

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<td>Flash point:</td>
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Flammability

<table>
<thead>
<tr>
<th>Gas:</th>
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</thead>
</table>

Explosive properties

Danger of explosion in case of decomposition.

<table>
<thead>
<tr>
<th>Lower explosion limits:</th>
<th>0,7 vol. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper explosion limits:</td>
<td>7,0 vol. %</td>
</tr>
<tr>
<td>Ignition temperature:</td>
<td>240 °C</td>
</tr>
</tbody>
</table>

| Auto-ignition temperature | |
|---------------------------| |
Rhepanol Paste schwarz

Gas: not determined
Decomposition temperature: not determined

**Oxidizing properties**
not determined

**Vapour pressure:**
(at 20 °C) 8 hPa

**Density (at 20 °C):** 1,28 g/cm³

**Water solubility:** insoluble

**Solubility in other solvents**
Organic solvents: highly soluble.

**Partition coefficient:** not determined
**Viscosity / dynamic:** not determined
**Viscosity / kinematic:** not determined
**Vapour density:** not determined
**Solvent content:** 26.6%

9.2. Other information
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
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials
Oxidizing agents, strong.
acid.

10.6. Hazardous decomposition products
Thermal decomposition can lead to harmful gases and vapours.

**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**
Based on available data, the classification criteria are not met.

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

**STOT-single exposure**
May cause drowsiness or dizziness. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))

**Severe effects after repeated or prolonged exposure**
Repeated exposure may cause skin dryness or cracking.
Causes damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))

**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.

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

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

#### 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**

- 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 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 3175
- **14.2. UN proper shipping name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
- **14.3. Transport hazard class(es):** 4.1
<table>
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<tr>
<td>14.4. Packing group:</td>
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<td>216 274 601</td>
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<td>Excepted quantity:</td>
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<td>Hazard No:</td>
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<tr>
<td>Tunnel restriction code:</td>
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<td>Inland waterways transport (ADN)</td>
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<td>14.3. Transport hazard class(es):</td>
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<td>14.4. Packing group:</td>
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<td>216 274 601</td>
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<tr>
<td>Excepted quantity:</td>
<td>E2</td>
</tr>
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<td>Marine transport (IMDG)</td>
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<td>Limited quantity:</td>
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</tr>
<tr>
<td>Excepted quantity:</td>
<td>E2</td>
</tr>
<tr>
<td>EmS:</td>
<td>F-A, S-I</td>
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<tr>
<td>Air transport (ICAO)</td>
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<td>14.3. Transport hazard class(es):</td>
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<td>14.4. Packing group:</td>
<td>II, 4.1</td>
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<td>Hazard label:</td>
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</table>
### Rhepanol Paste schwarz

**Product code:** RCSO-FDT-011

**Print date:** 23.11.2015

<table>
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<tr>
<th>Special Provisions:</th>
<th>A46</th>
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<td>Limited quantity Passenger:</td>
<td>5 kg</td>
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<td>Passenger LQ:</td>
<td>Y441</td>
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<tr>
<td>Excepted quantity:</td>
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<td>IATA-packing instructions - Passenger:</td>
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<td>IATA-max. quantity - Passenger:</td>
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<td>IATA-packing instructions - Cargo:</td>
<td>448</td>
</tr>
<tr>
<td>IATA-max. quantity - Cargo:</td>
<td>50 kg</td>
</tr>
</tbody>
</table>

#### 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):** 0,00%

**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:

- Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

### SECTION 16: Other information

**Changes**

This data sheet contains changes from the previous version in section(s): 2,3,4,7,8,9,10,12,15,16.

- Version 1.00 - Creation - 20.09.2013
- Version 1.01 - Classification/Labeling according Regulation No.1272/2008 (GHS/CLP) and general revision - 24.07.2015
- Version 1.02 - Change and revision of the SDS because of new information / recipe - 23.11.2015

**Abbreviations and acronyms**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement on International Road Transport)
Rhepanol Paste schwarz

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Product code: RCSO-FDT-011

Print date: 23.11.2015

Page 9 of 9

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:

REACHECK Solutions GmbH, Frohsinnstraße 28, 63739 Aschaffenburg, Germany
Phone: +49 (0)6021 - 1 50 86-0, Fax: +49 (0)6021 - 1 50 86-77, E-Mail: eu-sds@reacheck.eu, www.reacheck.eu

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