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

1.1 Product identifier

Trade name
FERMACELL Estrichkleber greenline

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

Relevant identified uses of the substance or mixture
sanitary and heating installations.

1.3 Details of the supplier of the safety data sheet

Address
Viega GmbH & Co. KG
Viega Platz 1
57439 Attendorn

Telephone no. +49 2722 610
Fax no. +49 2722 611415

Information provided by / telephone
+49 180 361-6062

Advice on Safety Data Sheet
sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information
This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).
This product does not meet the labelling criteria given in the Directives 67/548/EWG respectively 1999/45/EC (DPD)

2.2 Label elements

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

Hazard pictograms
-

Signal word
-

Hazard statements
-

Hazard statements (EU)
EUH210 Safety data sheet available on request.

Precautionary statements
-

Labelling information

2.3 Other hazards

No data available.
SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable. The product is not a substance.

3.2 Mixtures
Hazardous ingredients

<table>
<thead>
<tr>
<th>No.</th>
<th>Substance name</th>
<th>CAS / EC / Index / REACH no</th>
<th>Classification 67/548/EEC</th>
<th>Classification (EC) 1272/2008 (CLP)</th>
<th>Concentration</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>propylene carbonate</td>
<td>108-32-7 203-572-1 607-194-00-1</td>
<td>Xi; R36</td>
<td>Eye Irrit. 2; H319</td>
<td>&gt; 5.00 - &lt; 10.00</td>
<td>%-b.w.</td>
</tr>
</tbody>
</table>

Full Text for all R-phrases, H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures
   General information
   In case of persisting adverse effects, consult a physician. Remove contaminated, soaked clothing immediately and dispose of safely.

   After inhalation
   Ensure supply of fresh air. If a high concentration of dust is inhaled, seek medical help immediately.

   After skin contact
   In case of contact with skin wash off immediately with copious amounts of water.

   After eye contact
   Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

   After ingestion
   Rinse out mouth and give plenty of water to drink. Seek medical advice immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
   No data available.

4.3 Indication of any immediate medical attention and special treatment needed
   No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
   Suitable extinguishing media
   Carbon dioxide; Extinguishing powder; Water spray jet; Fight big fire with directed water spray or Alcohol-resistant foam

   Unsuitable extinguishing media
   No data available.

5.2 Special hazards arising from the substance or mixture
   When heating or in case of fire formation of toxic gases. In the event of fire, the following can be released: acetic acid

5.3 Advice for firefighters
   Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   For non-emergency personnel
   Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing.
For emergency responders
No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions
Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up
Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling
Ensure adequate ventilation. Refer to protective measures listed in section 8.

General protective and hygiene measures
Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Avoid contact with eyes and skin. Use barrier skin cream.

Advice on protection against fire and explosion
No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions
Keep from freezing.

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

Advice on storage assembly
Do not store together with: Acids; Bases; Oxidizing agents

7.3 Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
No parameters available for monitoring.

8.2 Exposure controls
Appropriate engineering controls
No data available.

Personal protective equipment
Respiratory protection
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection
Safety glasses (EN 166)

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer’s instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber
### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form/Colour</strong></td>
<td>liquid white-green</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>characteristic</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH value</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Boiling point / boiling range</strong></td>
<td>Value 100 °C</td>
</tr>
<tr>
<td><strong>Melting point / melting range</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Decomposition point / decomposition range</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Remarks: Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>The product does not have explosive properties.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Lower flammability or explosive limits</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Upper flammability or explosive limits</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>Value 1.12 - 1.18 g/cm³ Reference temperature 20 °C</td>
</tr>
</tbody>
</table>

**Other**
work clothing.

**Environmental exposure controls**
No data available.
9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under normal conditions of use.

10.3 Possibility of hazardous reactions
Reacts with acids. Reacts with alkalis (lyes).

10.4 Conditions to avoid
None, if handled according to order.

10.5 Incompatible materials
Bases; Acids

10.6 Hazardous decomposition products
In case of fire: see section 5
### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Acute inhalational toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>No data available</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproduction toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>No data available</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No data available</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No data available</td>
</tr>
</tbody>
</table>
SECTION 12: Ecological information

12.1 Toxicity

**Toxicity to fish (acute)**
No data available

**Toxicity to fish (chronic)**
No data available

**Toxicity to Daphnia (acute)**
No data available

**Toxicity to Daphnia (chronic)**
No data available

**Toxicity to algae (acute)**
No data available

**Toxicity to algae (chronic)**
No data available

**Bacteria toxicity**
No data available

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
No data available.

12.6 Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

**Product**
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**
Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.
SECTION 14: Transport information

14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG
The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information
No data available.

14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user
No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant

SECTION 15: Regulatory information

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

EU regulations
Remarks
Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

15.2 Chemical safety assessment
No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the R-, H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)
R36 Irritating to eyes.
H319 Causes serious eye irritation.

Department issuing safety data sheet
UMCO Umwelt Consult GmbH
Georg-Wilhelm-Str. 183, D-21107 Hamburg
Tel.: +49 40 / 79 02 36 300 Fax: +49 40 / 79 02 36 357 e-mail: umco@umco.de

This information is based on our present state of knowledge and experience.
The security data sheet describes products with a view to the security requirements.
However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.