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

1.1 Product identifier

Trade name

Ardex CA 20 P

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

Relevant identified uses of the substance or mixture

Adhesive

Uses advised against

No data available.

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 and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

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

Hazard statements (EU)

EUH210 Safety data sheet available on request.

Precautionary statements

P102 Keep out of reach of children.

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>Classification (EC) 1272/2008 (CLP)</th>
<th>Concentration</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
<td>Acute Tox. 4; H332 Flam. Liq. 2; H225</td>
<td>&lt; 2.50</td>
<td>%-b.w.</td>
</tr>
</tbody>
</table>

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
Remove contaminated clothing and shoes and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position. In case of persisting adverse effects, consult a physician.

After inhalation
Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact
In case of contact with skin wash off immediately with copious amounts of water. Consult a doctor if skin irritation persists.

After eye contact
Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

After ingestion
Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention if pain still persists.

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; Foam; Extinguishing measures to suit surroundings.

Unsuitable extinguishing media
High power water jet

5.2 Special hazards arising from the substance or mixture
In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO)

5.3 Advice for firefighters
Use self-contained breathing apparatus. Wear protective clothing.
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. High risk of slipping due to leakage/spillage of product. Use personal protective 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.

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
   Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
   Advice on safe handling
   Avoid contact with skin and eyes. Ensure adequate ventilation.
   General protective and hygiene measures
   Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work.
   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
   No special measures necessary.
   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. In case of intensive contact, wear protective gloves (EN 374).

Other
work clothing.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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<thead>
<tr>
<th>Form/Colour</th>
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<tbody>
<tr>
<td>Paste</td>
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<table>
<thead>
<tr>
<th>Odour</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristic</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Odour threshold</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>pH value</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>7.0</td>
</tr>
<tr>
<td>Source</td>
<td>Supplier</td>
</tr>
</tbody>
</table>
### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.
10.2 Chemical stability
Stable under normal conditions of use.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Heat

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
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<table>
<thead>
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<th>EC no.</th>
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<tr>
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<td>trimethoxy(vinyl)silane</td>
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<td>220-449-8</td>
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</table>

<table>
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<table>
<thead>
<tr>
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<th>Method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>rabbit</td>
<td>OECD 402</td>
<td>ECHA</td>
</tr>
</tbody>
</table>

**Acute inhalational toxicity**

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
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</table>

<table>
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<th>EC no.</th>
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<td>16.8 mg/l</td>
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<table>
<thead>
<tr>
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<th>State of aggregation</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 h</td>
<td>Vapour</td>
<td>rat</td>
<td>OECD 403</td>
<td>ECHA</td>
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</table>

**Skin corrosion/irritation**

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<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
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<td>220-449-8</td>
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</table>

<table>
<thead>
<tr>
<th>Species</th>
<th>Source</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>rabbit</td>
<td>ECHA</td>
<td>non-irritant</td>
</tr>
</tbody>
</table>

**Serious eye damage/irritation**

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
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</table>

<table>
<thead>
<tr>
<th>Species</th>
<th>Method</th>
<th>Source</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>rabbit</td>
<td>OECD 405</td>
<td>ECHA</td>
<td>non-irritant</td>
</tr>
</tbody>
</table>

**Respiratory or skin sensitisation**

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
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<td>220-449-8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>guinea pig</td>
<td>OECD 406</td>
<td>ECHA</td>
<td>non-sensitizing</td>
</tr>
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</table>
**Germ cell mutagenicity**

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
</tr>
</tbody>
</table>

Source: ECHA

Evaluation/classification: Based on available data, the classification criteria are not met.

**Reproduction toxicity**

No data available

**Carcinogenicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration hazard**

No data available

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Toxicity to fish (acute)**

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LC50</th>
<th>Duration of exposure</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>191</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>ECHA</td>
</tr>
</tbody>
</table>

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

<table>
<thead>
<tr>
<th>No</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>trimethoxy(vinyl)silane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EC50</th>
<th>Duration of exposure</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>168.7 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>440/2008/EC C.2.</td>
<td>ECHA</td>
</tr>
</tbody>
</table>
## 12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Biodegradability</th>
<th>Substance name</th>
<th>CAS no.</th>
<th>EC no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No 1</td>
<td>trimethoxy(vinyl)silane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
</tr>
<tr>
<td>Type</td>
<td>BOD</td>
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</tr>
<tr>
<td>Value</td>
<td>51 %</td>
<td></td>
<td></td>
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<tr>
<td>Duration</td>
<td>28 d</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Method</td>
<td>OECD 301 F</td>
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<td></td>
</tr>
<tr>
<td>Source</td>
<td>ECHA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaluation</td>
<td>not readily biodegradable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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.

## 12.7 Other information
Do not discharge product unmonitored into the environment.

## 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 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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
This product is not subject to Part 1 or 2 of Annex I.

Other regulations
Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment
For this mixture a chemical safety assessment has not been carried out.

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.
Trade name: Ardex CA 20 P

Current version: 1.0.0, issued: 09.02.2016  Replaced version: -, issued: -  Region: GB

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)
H225 Highly flammable liquid and vapour.
H332 Harmful if inhaled.

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

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