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

1.1. Product identifier
Name of product Flex 310 M Stainless-Steel
Code-Nr. 136560

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended intended purpose(s)
1-Component Adhesives and Sealants, permanently elastic

1.3. Details of the supplier of the safety data sheet
Distributor WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244
E-Mail : msds@weicon.de
Internet : www.weicon.de
Advice Produktsicherheit / Product-Safety-Department
Phone ++49(0)251 / 9322 - 0
E-mail (competent person): msds@weicon.de

1.4. Emergency telephone number
EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)
TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

Manufacturer WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster

1.4. Emergency telephone number
GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):
Tel: ++49 69 222 25285 (Deutsch, Englisch)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Additional hints
This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Special rules for supplemental label elements for certain mixtures
Contains Bis(1,2,6,6-pentamethyl-4-piperidyl) sebacate, 3-(2-Aminomethylamino)-propyltrimethoxysilan, N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, diocetylthiinbis(acetylace toneate). May produce an allergic reaction.

2.3. Other hazards
Information pertaining to special dangers for human and environment
Although this product is not subject to reporting requirements for hazardous products, we recommend compliance with the safety recommendations.

Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Description
Sealant

Hazardous ingredients
<table>
<thead>
<tr>
<th>CAS No</th>
<th>EC No</th>
<th>Name</th>
<th>[% weight]</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2768-02-7</td>
<td>220-449-8</td>
<td>trimethoxyvinylsilane</td>
<td>1 &lt; 5</td>
<td>Flam. Liq. 3, H226 / Acute Tox. 4;, H332</td>
</tr>
</tbody>
</table>

REACH

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Name</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2768-02-7</td>
<td>trimethoxyvinylsilane</td>
<td>01-2119513215-52-xxxx</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
Remove moistened clothing immediately.

In case of inhalation
Ensure of fresh air.
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off immediately with plenty of water.

In case of eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion
Do not induce vomiting.
If swallowed by mistake drink plenty of water and seek medical treatment.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Product does not burn, fire-extinguishing activities according to surrounding.
5.2. Special hazards arising from the substance or mixture
In case of fire formation of dangerous gases possible.
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3. Advice for firefighters
Special protective equipment for fire-fighters
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.
Do not inhale explosion and/or combustion gases.

Additional information
Cool endangered containers with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Ensure adequate ventilation.
Use personal protective clothing.
Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions
Do not discharge into the drains or bodies of water.

6.3. Methods and material for containment and cleaning up
Take up mechanically and send for disposal.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Emergency telephone number: see section 1

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures
Do not inhale vapours.
Avoid contact with eyes and skin

Hygiene measures
Keep away from food and drink.
Wash hands before breaks and after work.

Advice on protection against fire and explosion
Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep only in original container.

Advice on storage compatibility
Do not store together with animal feedstuffs.
Do not store together with food.
Further information on storage conditions
Protect from frost.
Protect from heat and direct solar radiation.
Store container at cool and aired place.
Store in a dry place.

7.3. Specific end use(s)
Recommendation(s) for intended use
See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
DNEL-/PNEC-values
DNEL worker

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance name</th>
<th>Value</th>
<th>Code</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>2768-02-7</td>
<td>trimethoxyvinylsilane</td>
<td>4,9 mg/m³</td>
<td>DNEL long-term inhalative</td>
<td>(systemic)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,69 mg/kg bw/day</td>
<td>DNEL long-term dermal (systemic)</td>
<td></td>
</tr>
</tbody>
</table>

DNEL Consumer

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance name</th>
<th>Value</th>
<th>Code</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>2768-02-7</td>
<td>trimethoxyvinylsilane</td>
<td>93,4 mg/m³</td>
<td>DNEL acute inhalative (systemic)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>26,9 mg/kg bw/day</td>
<td>DNEL acute dermal, short-term (systemic)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,04 mg/m³</td>
<td>DNEL long-term inhalative (systemic)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,3 mg/kg bw/day</td>
<td>DNEL acute dermal, short-term (systemic)</td>
<td></td>
</tr>
</tbody>
</table>

PNEC

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance name</th>
<th>Value</th>
<th>Code</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>2768-02-7</td>
<td>trimethoxyvinylsilane</td>
<td>0,034 mg/l</td>
<td>PNEC aquatic, marine water</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,34 mg/l</td>
<td>PNEC aquatic, freshwater</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,24 mg/kg dw</td>
<td>PNEC sediment, freshwater</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0,12 mg/kg dw</td>
<td>PNEC sediment, marine water</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3,4 mg/l</td>
<td>PNEC aquatic, intermittent release</td>
<td></td>
</tr>
</tbody>
</table>

Additional advice
The statutory local and national regulations have to be observed.

8.2. Exposure controls
Respiratory protection
Not required

Hand protection
In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.
Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.
Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min
Eye protection  
tightly fitting goggles  

Other protection measures  
protective clothing  

Appropriate engineering controls  
Sufficient ventilation and exhaustion.  

SECTION 9: Physical and chemical properties  

9.1. Information on basic physical and chemical properties  

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Temperature</th>
<th>at</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>pasty</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>grey</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Important health, safety and environmental information  

- pH value: not determined  
- Boiling point: 270 °C  
- Melting point: not determined  
- Flash point: > 100 °C  
- Vapourisation rate: not determined  
- Flammable (solid): not applicable  
- Flammability (gas): not applicable  
- Ignition temperature: 420 °C  
- Self ignition temperature: no  
- Lower explosion limit: 0,1 Vol-%  
- Upper explosion limit: 0,2 Vol-%  
- Vapour pressure: not determined  
- Relative density: 1,06 g/cm³ 20 °C  
- Vapour density: not determined  
- Solubility in water: No or low immiscibility  
- Solubility/other: not determined  
- Partition coefficient n-octanol/water (log P O/W): not determined  
- Decomposition temperature: not determined
### SECTION 10: Stability and reactivity

**10.1. Reactivity**
No information available.

**10.2. Chemical stability**
No information available.

**10.3. Possibility of hazardous reactions**
No dangerous reactions known.

**10.4. Conditions to avoid**
Keep away from heat.

**10.5. Incompatible materials**
Substances to avoid
No dangerous reactions known.

**10.6. Hazardous decomposition products**
Carbon monoxide
Carbon dioxide

Thermal decomposition
Remark: No decomposition if used as directed.

### SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Acute toxicity/Irritation/Sensitization**

<table>
<thead>
<tr>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>non-irritant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Skin irritation**
non-irritant

**Eye irritation**
non-irritant

**Skin sensitization**
non-sensitizing
### Subacute Toxicity - Carcinogenicity

<table>
<thead>
<tr>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Toxicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutagenicity</td>
<td></td>
<td></td>
<td>No experimental information on genotoxicity in vitro available.</td>
</tr>
<tr>
<td>Reproduction-Toxicity</td>
<td></td>
<td></td>
<td>No indications of toxic effects were observed in reproduction studies in animals.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td></td>
<td></td>
<td>No indications of carcinogenic effects are available from long-term trials.</td>
</tr>
</tbody>
</table>

**Experiences made from practice**
- According to our experience and current information, the product has no detrimental effects on health if handled and used correctly.

**Additional information**
- The product is to be handled with the caution usual with chemicals.
- Other hazardous properties may not be excluded.
- The product has not been tested. The information is derived from the properties of the individual components.

### SECTION 12: Ecological information

#### 12.1. Toxicity
No information available.

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

#### 12.3. Bioaccumulative potential
The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

#### 12.4. Mobility in soil
No information available.

#### 12.5. Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects
**General regulation**
- Do not allow uncontrolled leakage of product into the environment.
- Product is not allowed to be discharged into aquatic environment.
- The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Waste code No.</th>
<th>Name of waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 04 09*</td>
<td>waste adhesives and sealants containing organic solvents or other hazardous substances</td>
</tr>
</tbody>
</table>

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.
Recommendations for the product
Remove in accordance with local official regulations.

Recommendations for packaging
Dispose of according to the local waste regulations.

General information
Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA-DGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not applicable

Transport/further information
No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

VOC standard
- VOC content: 3.43 %
- VOC value: 36.4 g/L

15.2. Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions
National and local regulations concerning chemicals shall be observed. For industrial use only.

Further information
Each user is responsible for the implementation of the national special regulations.
The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.4
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.