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

1.1 Product identifier

Trade name: Sikaflex®-521 FC

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

Product use: Sealant/adhesive

1.3 Details of the supplier of the safety data sheet

Company name of supplier: Sika Sverige AB
Domnarvsgatan 15
163 53 Spånga

Telephone: +46 8 621 89 00

E-mail address of person responsible for the SDS: miljo@se.sika.com

1.4 Emergency telephone number

112 Begär Giftinformation

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Type of product: Mixture

Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

Additional Labelling:
EUH210 Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(REGULATION (EC)</td>
<td>[%]</td>
</tr>
</tbody>
</table>

Country SE 000000600619
SAFETY DATA SHEET
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Sikaflex®-521 FC

Revision Date 19.10.2017 Version 1.1 Print Date 12.02.2018

EC-No. Registration number | No 1272/2008) | Flam. Liq.; H226; Acute Tox.; H332; STOT RE2; H373
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>trimethoxyvinylsilane</td>
<td>2768-02-7</td>
<td>&gt;= 1 - &lt; 2.5</td>
</tr>
<tr>
<td></td>
<td>220-449-8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>01-2119513215-52-XXXX</td>
<td></td>
</tr>
<tr>
<td>Contains:</td>
<td>tetramethyl orthosilicate &lt;= 0.2%</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

**General advice**: No hazards which require special first aid measures.

- **If inhaled**: Move to fresh air.
- **In case of skin contact**: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
- **In case of eye contact**: Remove contact lenses. Keep eye wide open while rinsing.
- **If swallowed**: Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

**Symptoms**: See Section 11 for more detailed information on health effects and symptoms.

**Risks**: No known significant effects or hazards.

4.3 Indication of any immediate medical attention and special treatment needed

**Treatment**: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

**Suitable extinguishing media**: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products**: No hazardous combustion products are known

5.3 Advice for firefighters
SAFETY DATA SHEET
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Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   Personal precautions: For personal protection see section 8.

6.2 Environmental precautions
   Environmental precautions: No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up
   Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
   For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
   Advice on safe handling: For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products.
   Advice on protection against fire and explosion: Normal measures for preventive fire protection.
   Hygiene measures: When using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities
   Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.
   Advice on common storage: No special restrictions on storage with other products.
   Other data: No decomposition if stored and applied as directed.

7.3 Specific end use(s)
   Specific use(s): Consult most current local Product Data Sheet prior to any use.
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

| Components | CAS-No. | Value | Control parameters | Basis *
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>methanol</td>
<td>67-56-1</td>
<td>NGV</td>
<td>200 ppm</td>
<td>SE AFS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>250 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>KTV</td>
<td>250 ppm</td>
<td>SE AFS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>350 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Butyl rubber/nitrile rubber gloves (0.4 mm), Recommended: Butyl rubber/nitrile rubber gloves.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory protection : No special measures required.

Environmental exposure controls

General advice : No special environmental precautions required.
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>Appearance</td>
<td>paste</td>
</tr>
<tr>
<td>Colour</td>
<td>various</td>
</tr>
<tr>
<td>Odour</td>
<td>very faint</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 101 °C</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit (Vol-%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit (Vol-%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range / Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.00001 hPa</td>
</tr>
<tr>
<td>Density</td>
<td>1.5 g/cm³ at 20 °C</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>&gt; 20.5 mm²/s at 40 °C</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other information
SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous reactions: No hazards to be specially mentioned.

10.4 Conditions to avoid
Conditions to avoid: No data available

10.5 Incompatible materials
Materials to avoid: No data available

10.6 Hazardous decomposition products
Hazardous decomposition products: No decomposition if stored and applied as directed.
methanol

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not classified based on available information.

Components:
trimethoxyvinylsilane:
Acute oral toxicity: LD50 Oral (Rat): ca. 7.120 mg/kg
Acute inhalation toxicity:
LC50: ca. 16.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity: LD50: 3.540 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Serious eye damage/eye irritation
Not classified based on available information.
Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

SECTION 12: Ecological information

12.1 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
   
   **Product:**
   Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

   **Product:**
   Additional ecological information: There is no data available for this product.
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue: 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

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 applicable
SECTION 15: Regulatory information

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

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): None of the components are listed (=> 0.1%).

REACH - List of substances subject to authorisation (Annex XIV): Not applicable

REACH Information: All substances contained in our Products are
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.


VOC-CH (VOCV): no VOC duties

VOC-EU (solvent): Not applicable

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Full text of H-Statements

H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.

Full text of other abbreviations

Acute Tox. Acute toxicity
Flam. Liq. Flammable liquids
STOT RE Specific target organ toxicity - repeated exposure
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS Chemical Abstracts Service
DNEL Derived no-effect level
EC50 Half maximal effective concentration
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GHS        Globally Harmonized System
IATA       International Air Transport Association
IMDG       International Maritime Code for Dangerous Goods
LD50       Median lethal dose (the amount of a material, given all at once, which
           causes the death of 50% (one half) of a group of test animals)
LC50       Median lethal concentration (concentrations of the chemical in air that
           kills 50% of the test animals during the observation period)
MARPOL     International Convention for the Prevention of Pollution from Ships,
           1973 as modified by the Protocol of 1978
OEL        Occupational Exposure Limit
PBT        Persistent, bioaccumulative and toxic
PNEC       Predicted no effect concentration
           Council of 18 December 2006 concerning the Registration, Evaluation,
           Authorisation and Restriction of Chemicals (REACH), establishing a
           European Chemicals Agency
SVHC       Substances of Very High Concern
vPvB       Very persistent and very bioaccumulative

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the

time of publication. All warranties are excluded. Our most current General Sales Conditions shall
apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!