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

### 1.1 Product identifier

Trade name : SikaCor® EG-5 Part B

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

Product use : Corrosion protection

### 1.3 Details of the supplier of the safety data sheet

Company : Sika Österreich GmbH
Bingser Dorfstraße 23
6700 Bludenz
Telephone : +4350610
E-mail address : EHS@at.sika.com

### 1.4 Emergency telephone number

Emergency telephone number : 0043 1 4064343 (Giftinformationszentrale Wien)
EHS@at.sika.com

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Type of product : Mixture

**Classification (REGULATION (EC) No 1272/2008)**

| | |
|---|---|
| Flammable liquids, Category 3 | H226: Flammable liquid and vapour. |
| Acute toxicity, Category 4 | H332: Harmful if inhaled. |
| Skin irritation, Category 2 | H315: Causes skin irritation. |
| Eye irritation, Category 2 | H319: Causes serious eye irritation. |
| Skin sensitisation, Category 1 | H317: May cause an allergic skin reaction. |
| Specific target organ toxicity - single exposure, Category 3, Respiratory system | H335: May cause respiratory irritation. |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :

Signal word : Warning

| | | |
|---|---|---|
| Hazard statements : | H226 | Flammable liquid and vapour. |
| | H315 | Causes skin irritation. |
| | H317 | May cause an allergic skin reaction. |
| | H319 | Causes serious eye irritation. |

| | |
|---|---|
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Precautionary statements : **Prevention:**

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. |
| P280 | Wear protective gloves/ eye protection/ face protection. |

**Response:**

| | |
|---|---|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304 + P340 + P312 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. |
| P370 + P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. |

Hazardous components which must be listed on the label:
- 931-274-8 Hexamethylene-1,6-diisocyanate homopolymer
- 215-535-7 xylene

### 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

**Hazardous components**

| Chemical Name<br>CAS-No.<br>EC-No.<br>Registration number | Classification (REGULATION (EC) No 1272/2008) | Concentration [%] |
|---|---|---|
| Hexamethylene-1,6-diisocyanate homopolymer<br>28182-81-2<br>931-274-8<br>01-2119485796-17-XXXX<br>Contains:<br>hexamethylene-di-isocyanate <= 0,3 % | Acute Tox.4; H332<br>Skin Sens.1; H317<br>STOT SE3; H335 | >= 50 - <= 100 |
| xylene<br>1330-20-7<br>215-535-7<br>01-2119488216-32-XXXX<br>Contains: | Flam. Liq.3; H226<br>Acute Tox.4; H332<br>Acute Tox.4; H312<br>Skin Irrit.2; H315<br>Eye Irrit.2; H319 | >= 10 - < 20 |

| | | |
|---|---|---|
| ethylbenzene <= 25 % | STOT SE3; H335<br>STOT RE2; H373<br>Asp. Tox.1; H304 | |
| Substances with a workplace exposure limit : | | |
| 2-methoxy-1-methylethyl acetate<br>108-65-6<br>203-603-9<br>01-2119475791-29-XXXX<br>Contains:<br>2-methoxypropyl acetate <= 1 % | Flam. Liq.3; H226 | >= 10 - < 20 |

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 : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

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 : Cough
Respiratory disorder
Allergic reactions
Excessive lachrymation
Erythema
Headache
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.

Risks : irritant effects
sensitising effects

Causes skin irritation.

May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

### 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 : Alcohol-resistant foam, Carbon dioxide (CO2), Dry chemical

Unsuitable extinguishing media : Water, High volume water jet

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

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Remove all sources of ignition.
Deny access to unprotected persons.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

| | | |
|---|---|---|
| Methods for cleaning up | : | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). |

### 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 | : | Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products |
| Advice on protection against fire and explosion | : | Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges. |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. |

### 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. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Store in accordance with local regulations. |
| Other data | : | No decomposition if stored and applied as directed. |

### 7.3 Specific end use(s)

| | | |
|---|---|---|
| Specific use(s) | : | No data available |

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Components with workplace control parameters**

| Components | CAS-No. | Value | Control parameters * | Basis * |
|---|---|---|---|---|
| 2-methoxy-1-methylethyl acetate | 108-65-6 | TMW | 50 ppm<br>275 mg/m3 | AT OEL |
| | | KZW | 100 ppm<br>550 mg/m3 | AT OEL |
| xylene | 1330-20-7 | TWA | 50 ppm<br>221 mg/m3 | 2000/39/EC |
| | | STEL | 100 ppm<br>442 mg/m3 | 2000/39/EC |
| | | TMW | 50 ppm<br>221 mg/m3 | AT OEL |
| | | KZW | 100 ppm<br>442 mg/m3 | AT OEL |

*Values in the table refer to the latest EU-OEL and to the (Grenzwerteverordnung GKV ).

**Biological occupational exposure limits**

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|---|---|---|---|---|
| xylene | 1330-20-7 | Methylhippuric acid: 1,5 mg/l (Urine) | | VGÜ |
| | | methyl hippuric acid: 1,5 g/l (Urine) | At the end of a work week / at the end of a work day / at the end of a shift | VGÜ2014 |
| | | xylene: 1 mg/l (Blood) | End of workday | VGÜ2014 |

### 8.2 Exposure controls

**Personal protective equipment**

Eye protection : Safety glasses with side-shields
Eye wash bottle with pure water

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.

Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0,4 mm),
Contaminated gloves should be removed.
Suitable for permanent exposure:

Viton gloves (0.4 mm),
breakthrough time >30 min.

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 additionaly recommended for mixing and stirring work.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
organic vapor (Type A) and particulate filter
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm
P1: Inert material; P2, P3: hazardous substances
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Ensure adequate ventilation, especially in confined areas.

**Environmental exposure controls**

General advice : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Appearance | : | liquid |
| Colour | : | yellow |
| Odour | : | characteristic |
| Odour Threshold | : | No data available |
| Flash point | : | ca. 38 °C |
| Autoignition temperature | : | 333 °C |
| Lower explosion limit (Vol-%) | : | 1 %(V) |
| Upper explosion limit (Vol-%) | : | 7 %(V) |
| Flammability | : | No data available |

| | | |
|---|---|---|
| Oxidizing properties | : | No data available |
| pH | : | Note: Not applicable |
| Melting point/range / Freezing point | : | No data available |
| Boiling point/boiling range | : | ca. 145 °C |
| Vapour pressure | : | 7,9993 hPa |
| Density | : | ca.1,07 g/cm3<br>at 20 °C |
| Water solubility | : | Note: insoluble |
| Partition coefficient: n-octanol/water | : | No data available |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | > 20,5 mm2/s<br>at 40 °C |
| Relative vapour density | : | No data available |
| Evaporation rate | : | No data available |

**9.2 Other information**

No data available

## 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 | : | Stable under recommended storage conditions.<br><br>Vapours may form explosive mixture with air. |

**10.4 Conditions to avoid**

| | | |
|---|---|---|
| Conditions to avoid | : | Heat, flames and sparks. |

**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. |

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity**

Harmful if inhaled.

**Components:**

**Hexamethylene-1,6-diisocyanate homopolymer:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral (Rat): > 2.500 mg/kg |
| Acute inhalation toxicity | : | Acute toxicity estimate: 1,5 mg/l<br>Test atmosphere: dust/mist<br>Method: Expert judgement |
| Acute dermal toxicity | : | LD50 Dermal (Rat): > 2.000 mg/kg |

**xylene:**

| | | |
|---|---|---|
| Acute dermal toxicity | : | Acute toxicity estimate: 1.100 mg/kg<br>Method: Converted acute toxicity point estimate |

**2-methoxy-1-methylethyl acetate:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 Oral (Rat): > 5.000 mg/kg |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 5.000 mg/kg |

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

Skin sensitisation: May cause an allergic skin reaction.
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**

May cause respiratory irritation.

**STOT - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**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

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

| | | |
|---|---|---|
| Product | : | The generation of waste should be avoided or minimized wherever possible.<br>Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.<br>Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.<br>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.<br>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |
| Austria - Waste catalogue | : | 55510 |
| European Waste Catalogue | : | 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances |

| | | |
|---|---|---|
| Contaminated packaging | : | Completely emptied packagings can be given for recycling. Packaging containing remains of dangerous substances, as well as packagings disposed of remains can be unharmed eliminated in accordance with the regulations.<br><br>15 01 10* packaging containing residues of or contaminated by dangerous substances |

## SECTION 14: Transport information

**ADR**

| | | |
|---|---|---|
| **14.1 UN number** | : | 1263 |
| **14.2 Description of the goods** | : | PAINT |
| **14.3 Class** | : | 3 |
| **14.4 Packing group** | : | III |
| Classification Code | : | F1 |
| Labels | : | 3 |
| Tunnel restriction code | : | (D/E) |
| **14.5 Environmentally hazardous** | : | no |

**IATA**

| | | |
|---|---|---|
| **14.1 UN number** | : | 1263 |
| **14.2 Description of the goods** | : | Paint |
| **14.3 Class** | : | 3 |
| **14.4 Packing group** | : | III |
| Labels | : | 3 |
| **14.5 Environmentally hazardous** | : | no |

**IMDG**

| | | |
|---|---|---|
| **14.1 UN number** | : | 1263 |
| **14.2 Description of the goods** | : | PAINT |
| **14.3 Class** | : | 3 |
| **14.4 Packing group** | : | III |
| Labels | : | 3 |
| EmS Number 1 | : | F-E |
| EmS Number 2 | : | S-E |
| **14.5 Marine pollutant** | : | no |

**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 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.

Risk classification according to VbF : Not regulated VBF AT, for paragraph 3, 3.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

| | | Quantity 1 | Quantity 2 |
|---|---|---|---|
| P5c | FLAMMABLE LIQUIDS | 5.000 t | 50.000 t |

| | | |
|---|---|---|
| Water contaminating class (Germany) | : | WGK 2 water endangering |
| VOC-CH (VOCV) | : | 25 % |
| VOC-EU (solvent) | : | 25 % |

### 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. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled. |

**Full text of other abbreviations**

| | |
|---|---|
| Acute Tox. | Acute toxicity |
| Asp. Tox. | Aspiration hazard |
| Eye Irrit. | Eye irritation |
| Flam. Liq. | Flammable liquids |
| Skin Irrit. | Skin irritation |
| Skin Sens. | Skin sensitisation |
| STOT RE | Specific target organ toxicity - repeated exposure |
| STOT SE | Specific target organ toxicity - single 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 |
| GHS | Globally Harmonized System |
| IATA | International Air Transport Association |
| IMDG | International Maritime Code for Dangerous Goods |
| LD50 | Median lethal dosis (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 |
| REACH | Regulation (EC) No 1907/2006 of the European Parliament and of the 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 !