1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaCor® EG-5 (B)
Product code : 000000003514
Type of product : liquid

Recommended use of the chemical and restrictions on use
Product use : Corrosion protection, Product is not intended for consumer use

Manufacturer or supplier’s details
Company : SIKA (SINGAPORE) PTE LTD.
66A Sungei Kadut Street 1
Singapore 729368
Telephone : +65 63680883
Telefax : +65 6779 6200
E-mail address : -
Emergency telephone number : +65 63680883

2. HAZARDS IDENTIFICATION

GHS Classification
Flammable liquids : Category 3
Acute toxicity (Inhalation) : Category 4
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2
Skin sensitisation : Category 1
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)
Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (hearing organs)

GHS label elements
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 (hearing organs) through prolonged or repeated exposure if inhaled.

Precautionary statements:
**Prevention:**
- P210 Keep away from heat/sparks/open flames/hot surfaces.
- No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- 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/doctor if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314 Get medical advice/attention if you feel unwell.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

**Disposal:**
- P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS
Substance / Mixture: Mixture

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexamethylene-1,6-diisocyanate homopolymer</td>
<td>28182-81-2</td>
<td>&gt;= 70 - &lt; 90</td>
</tr>
<tr>
<td>2-methoxy-1-methylethyl acetate</td>
<td>108-65-6</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>&gt;= 1 - &lt; 10</td>
</tr>
<tr>
<td>hexamethylene-di-isocyanate</td>
<td>822-06-0</td>
<td>&gt;= 0.1 - &lt; 0.5</td>
</tr>
</tbody>
</table>

4. 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**: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**: irritant effects. sensitising effects. Cough. Respiratory disorder. Allergic reactions. Excessive lachrymation. Headache. Dermatitis. See Section 11 for more detailed information on health effects and symptoms. 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 if inhaled.

**Notes to physician**: Treat symptomatically.

5. FIREFIGHTING MEASURES
SAFETY DATA SHEET
SikaCor® EG-5 (B)

Version 1.0  SDS Number: 000000003514  Revision Date: 10.05.2019

Suitable extinguishing media : Alcohol-resistant foam
                                Carbon dioxide (CO2)
                                Dry chemical

Unsuitable extinguishing media : Water
                                High volume water jet

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

Hazardous combustion products : No hazardous combustion products are known

Specific extinguishing methods : Use water spray to cool unopened containers.

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

6. ACCIDENTAL RELEASE MEASURES

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

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

Methods and materials for containment and 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).

7. HANDLING AND STORAGE

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.

Advice on safe handling : Do not breathe vapours or spray mist.
                         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.

Conditions for safe storage:
- Store in original container.
- Keep in a well-ventilated place.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Observe label precautions.
- Store in accordance with local regulations.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>PEL (long term)</td>
<td>100 ppm / 434 mg/m³</td>
<td>SG OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL (short term)</td>
<td>150 ppm / 651 mg/m³</td>
<td>SG OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>100-41-4</td>
<td>PEL (long term)</td>
<td>100 ppm / 434 mg/m³</td>
<td>SG OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL (short term)</td>
<td>125 ppm / 543 mg/m³</td>
<td>SG OEL</td>
</tr>
<tr>
<td>hexamethylene-di-isocyanate</td>
<td>822-06-0</td>
<td>PEL (long term)</td>
<td>0.005 ppm / 0.034 mg/m³</td>
<td>SG OEL</td>
</tr>
</tbody>
</table>

#### Personal protective equipment

**Respiratory protection**: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

**Hand protection**: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eye protection**: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Skin and body protection**: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid

Colour: yellow

Odour: characteristic

Odour Threshold: No data available

pH: Not applicable

Melting point/range / Freezing point: No data available

Boiling point/boiling range: ca. 145 °C (293 °F)

Flash point: ca. 38 °C (100 °F)
Method: closed cup

Evaporation rate: No data available

Flammability: No data available

Upper explosion limit: 7 %(V)

Lower explosion limit: 1 %(V)

Vapour pressure: 7.9993 hPa (6.000 mmHg)

Relative vapour density: No data available

Density: ca. 1.07 g/cm³ (20 °C (68 °F))

Solubility(ies)
Water solubility: insoluble

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity
Viscosity, dynamic: No data available
Viscosity, kinematic: > 20.5 mm²/s (40 °C)
SAFETY DATA SHEET
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Explosive properties: No data available
Molecular weight: No data available

10. STABILITY AND REACTIVITY
Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: The product is chemically stable.
Possibility of hazardous reactions: Stable under recommended storage conditions. Vapours may form explosive mixture with air.
Conditions to avoid: Heat, flames and sparks.
Incompatible materials: No data available
No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

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
   Test atmosphere: dust/mist
   Method: Expert judgement
Acute dermal toxicity: LD50 Dermal (Rat): > 2,000 mg/kg

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

xylene:
Acute oral toxicity: LD50 Oral (Rat): 3,523 mg/kg
Acute dermal toxicity: LD50 Dermal (Rabbit): 1,700 mg/kg

ethylbenzene:
Acute oral toxicity: LD50 Oral (Rat): 3,500 mg/kg
Acute dermal toxicity: LD50 Dermal (Rabbit): 5,510 mg/kg

hexamethylene-di-isocyanate:
Acute oral toxicity: LD50 Oral (Rat): 746 mg/kg
Acute inhalation toxicity: LC50 (Rat): 0.124 mg/l
   Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity: LD50 Dermal (Rat): > 7,000 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 (hearing organs) through prolonged or repeated exposure if inhaled.

Aspiration toxicity
Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:
xylene:
Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 3.3 mg/l
Exposure time: 96 h

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information: There is no data available for this product.
13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG
UN number: UN 1263
Proper shipping name: PAINT
Class: 3
Packing group: III
Labels: 3

IATA-DGR
UN/ID No.: UN 1263
Proper shipping name: Paint
Class: 3
Packing group: III
Labels: Flammable Liquids
Packing instruction (cargo aircraft): 366
Packing instruction (passenger aircraft): 355

IMDG-Code
UN number: UN 1263
Proper shipping name: PAINT

Class: 3
Packing group: III
Labels: 3
EmS Code: F-E, S-E
Marine pollutant: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Special precautions for user
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
15. REGULATORY INFORMATION

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

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

Environmental Protection and Management Act and Environmental Protection and Management (Hazardous Substances) Regulations

16. OTHER INFORMATION

Date format : dd.mm.yyyy

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.