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

1.1 Product identifier

   Trade name : SikaCor® EG1 Rapid (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 Limited
   Watchmead
   Welwyn Garden City
   Hertfordshire AL7 1BQ
   United Kingdom

   Telephone : +44 (0)1707 394444

1.4 Emergency telephone number

   Emergency telephone number : +44 (0)1707 363899 (available during office hours)

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.
   Skin irritation, Category 2 H315: Causes skin irritation.
   Serious eye damage, Category 1 H318: Causes serious eye damage.
   Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.
   Specific target organ toxicity - single exposure, Category 3, Central nervous system H336: May cause drowsiness or dizziness.
   Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.
   Specific target organ toxicity - repeated exposure, Category 2, hearing organs H373: May cause damage to organs through prolonged or repeated exposure if inhaled.
2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:
- Flammable liquid and vapour
- Causes skin irritation
- May cause an allergic skin reaction
- Causes serious eye damage
- May cause respiratory irritation
- May cause drowsiness or dizziness
- May cause damage to organs (hearing or- gans) through prolonged or repeated expo- sure if inhaled.

Signal word: Danger

Hazard statements:
- H226: Flammable liquid and vapour
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness
- H373: May cause damage to organs (hearing or- gans) through prolonged or repeated expo- sure if inhaled.

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/ va- pors/ spray.
- P264: Wash skin thoroughly after handling.
- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
- P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- 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:
- 201-148-0: 2-methylpropan-1-ol
- 215-535-7: xylene
- 202-013-9: 2,4,6-tris(dimethylaminomethyl)phenol
- 203-468-6: ethylenediamine

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
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:
- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
- In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Continue rinsing eyes during transport to hospital.
- 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:
- Cough
- Respiratory disorder
- Allergic reactions
- Excessive lachrymation
- Erythema
- Dermatitis
- Loss of balance
- Vertigo
- 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 damage.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- May cause damage to organs through prolonged or repeated exposure if inhaled.

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 firefighting: 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. 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 resealed 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): Consult most current local Product Data Sheet prior to any use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters *</th>
<th>Basis *</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methylpropan-1-ol</td>
<td>78-83-1</td>
<td>TWA</td>
<td>50 ppm 154 mg/m^3</td>
<td>GB EH40</td>
</tr>
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</table>
Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Substance name</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Sampling time</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>methyl hippuric acid: 650 Millimoles per mole Creatinine (Urine)</td>
<td>After shift</td>
<td>GB EH40 BAT</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166
                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 additionally 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: < 10 000 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 sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

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: orange
Odour: amine-like
Odour Threshold: No data available
Flash point: ca. 34 °C
Autoignition temperature: ca. 343 °C
Decomposition temperature: No data available
Lower explosion limit (Vol-%): 1 % (V)
Upper explosion limit (Vol-%): 6.2 % (V)
Flammability: No data available
Explosive properties: No data available
Oxidizing properties: No data available
pH: Not applicable
Melting point/range / Freez-: No data available
Boiling point/boiling range : No data available
Vapour pressure : 11,9999 hPa
Density : ca.0,9 g/cm3 at 20 °C
Water solubility : insoluble
Partition coefficient: n-octanol/water : No data available
Viscosity, dynamic : ca.100 mPa.s at 20 °C
Viscosity, kinematic : > 20,5 mm2/s 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.
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
SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Not classified based on available information.

**Components:**

- **xylene:**
  - Acute oral toxicity: LD50 Oral (Rat): 3.523 mg/kg
  - Acute dermal toxicity: LD50 Dermal (Rabbit): 1.700 mg/kg

- **2,4,6-tris(dimethylaminomethyl)phenol:**
  - Acute oral toxicity: LD50 Oral (Rat): 2.169 mg/kg

- **butan-1-ol:**
  - Acute oral toxicity: LD50 Oral (Rat): ca. 2.000 mg/kg
  - Acute dermal toxicity: LD50 Dermal (Rabbit): 3.430 mg/kg

- **ethylenediamine:**
  - Acute oral toxicity: LD50 Oral (Rat): 866 mg/kg
  - Acute inhalation toxicity: LC50 (Rat): 14.7 mg/l
    - Exposure time: 4 h
    - Test atmosphere: vapour
  - Acute dermal toxicity: LD50 Dermal (Rat): 560 mg/kg

**Skin corrosion/irritation**
Causes skin irritation.

**Serious eye damage/eye irritation**
Causes serious eye damage.

**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.
May cause drowsiness or dizziness.
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.

SECTION 12: Ecological information

12.1 Toxicity

Components:
- xylene:
  - Toxicty to fish: LC50: 3.3 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout)

- 2,4,6-tris(dimethylaminomethyl)phenol:
  - Toxicity to algae: EC50: > 10 - 100 mg/l, 72 h, Scenedesmus capricornutum (fresh water algae)

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 01 11* waste paint and varnish containing organic solvents or other dangerous substances

**Contaminated packaging:**
- 15 01 10* packaging containing residues of or contaminated by dangerous substances

### SECTION 14: Transport information

**ADR**

<table>
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<th>14.1 UN number</th>
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<tr>
<td>14.2 UN proper shipping name</td>
<td>PAINT</td>
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<tr>
<td>14.3 Transport hazard class(es)</td>
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<td>14.4 Packing group</td>
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<td>Labels</td>
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<td>Tunnel restriction code</td>
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<td>14.5 Environmental hazards</td>
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**IATA**

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<td>Labels</td>
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**IMDG**

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<td>14.3 Class</td>
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<td>14.4 Packing group</td>
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<td>Labels</td>
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</tr>
<tr>
<td>EmS Number 2</td>
<td>S-E</td>
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<td>14.5 Marine pollutant</td>
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SECTION 15: Regulatory information

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

<table>
<thead>
<tr>
<th>Prohibition/Restriction</th>
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<tbody>
<tr>
<td>International Chemical Weapons Convention (CWC)</td>
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<tr>
<td>Schedules of Toxic Chemicals and Precursors</td>
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<tr>
<td>REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).</td>
<td></td>
</tr>
<tr>
<td>REACH - List of substances subject to authorisation (Annex XIV)</td>
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<tr>
<td>REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)</td>
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<tr>
<td>REACH Information:</td>
<td></td>
</tr>
<tr>
<td>All substances contained in our Products are</td>
<td></td>
</tr>
<tr>
<td>- registered by our upstream suppliers, and/or</td>
<td></td>
</tr>
<tr>
<td>- registered by us, and/or</td>
<td></td>
</tr>
<tr>
<td>- excluded from the regulation, and/or</td>
<td></td>
</tr>
<tr>
<td>- exempted from the registration.</td>
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<table>
<thead>
<tr>
<th>P5c</th>
<th>FLAMMABLE LIQUIDS</th>
<th>Quantity 1</th>
<th>Quantity 2</th>
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<tbody>
<tr>
<td>VOC-CH (VOCV)</td>
<td></td>
<td>5.000 t</td>
<td>50.000 t</td>
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<tr>
<td>VOC-EU (solvent)</td>
<td></td>
<td>40.84 %</td>
<td></td>
</tr>
</tbody>
</table>

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture:

- Environmental Protection Act 1990 & Subsidiary Regulations
- Health and Safety at Work Act 1974 & Subsidiary Regulations
- Control of Substances Hazardous to Health Regulations (COSHH)
- May be subject to the Control of Major Accident Hazards
Other regulations: Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of H-Statements

- **H226**: Flammable liquid and vapour.
- **H302**: Harmful if swallowed.
- **H304**: May be fatal if swallowed and enters airways.
- **H311**: Toxic in contact with skin.
- **H312**: Harmful in contact with skin.
- **H314**: Causes severe skin burns and eye damage.
- **H315**: Causes skin irritation.
- **H317**: May cause severe skin burns and eye damage.
- **H318**: May be fatal if inhaled.
- **H319**: Causes serious eye damage.
- **H320**: Causes serious eye irritation.
- **H332**: Causes skin sensitisation.
- **H334**: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **H335**: May cause skin irritation.
- **H336**: May cause skin corrosion.
- **H337**: May cause skin irritation.
- **H373**: May cause damage to organs through prolonged or repeated exposure if inhaled.
- **H412**: Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

- **Acute Tox.**: Acute toxicity
- **Aquatic Chronic**: Long-term (chronic) aquatic hazard
- **Asp. Tox.**: Aspiration hazard
- **Eye Dam.**: Serious eye damage
- **Eye Irrit.**: Eye irritation
- **Flam. Liq.**: Flammable liquids
- **Resp. Sens.**: Respiratory sensitisation
- **Skin Corr.**: Skin corrosion
- **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**: European Agreement concerning the International Carriage of Dangerous Goods by Road
- **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 dosage (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
SVHC Substances of Very High Concern
vPvB Very persistent and very bioaccumulative

Classification of the mixture:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Code</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 3</td>
<td>H226</td>
<td>Based on product data or assessment</td>
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<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
<td>Calculation method</td>
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<tr>
<td>Eye Dam. 1</td>
<td>H318</td>
<td>Calculation method</td>
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<tr>
<td>Skin Sens. 1</td>
<td>H317</td>
<td>Calculation method</td>
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<td>STOT SE 3</td>
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<tr>
<td>STOT SE 3</td>
<td>H335</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>H373</td>
<td>Calculation method</td>
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</tbody>
</table>

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!