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

1.1 Product identifier
   Trade name : Sika® Thinner C

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Product use : Thinner

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.

- Acute toxicity, Category 4
  H332: Harmful if inhaled.

- Acute toxicity, Category 4
  H312: Harmful in contact with skin.

- Skin irritation, Category 2
  H315: Causes skin irritation.

- Eye irritation, Category 2
  H319: Causes serious eye irritation.

- 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.

- Aspiration hazard, Category 1
  H304: May be fatal if swallowed and enters airways.
2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms:

- Flammable liquid and vapour
- May be fatal if swallowed and enters airways
- Harmful in contact with skin or if inhaled
- Causes skin irritation
- Causes serious eye irritation
- May cause respiratory irritation
- May cause damage to organs through prolonged or repeated exposure

Signal word: Danger

Hazard statements:
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 + H332 Harmful in contact with skin or if inhaled
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- 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:
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- 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:
- 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC-No.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registration number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Country GB 000000004519
**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**
- Aspiration may cause pulmonary oedema and pneumonitis.
- Cough
- Respiratory disorder
- Excessive lachrymation
- Erythema
- Headache
- Dermatitis
- Skin disorders
- See Section 11 for more detailed information on health effects
and symptoms.

Risks:
- Risk of serious damage to the lungs (by aspiration).
  irritant effects
- May be fatal if swallowed and enters airways.
- Harmful in contact with skin or if inhaled
- Causes skin irritation.
- Causes serious eye irritation.
- 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 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. 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 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)
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

| Components                  | CAS-No.    | Value | Control parameters | Basis *
|-----------------------------|------------|-------|--------------------|--------
| xylene                      | 1330-20-7  | STEL  | 100 ppm            | GB EH40 |
|                             |            |       | 441 mg/m³          |        |
|                             |            | TWA   | 50 ppm             | GB EH40 |
|                             |            |       | 220 mg/m³          |        |
|                             |            | TWA   | 50 ppm             | 2000/39/EC |
|                             |            |       | 221 mg/m³          |        |
| 4-methylpentan-2-one        | 108-10-1   | TWA   | 50 ppm             | GB EH40 |
|                             |            |       | 208 mg/m³          |        |
|                             |            | STEL  | 100 ppm            | GB EH40 |
|                             |            |       | 442 mg/m³          |        |
| 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: 650mmol/mol creatinine (Urine)</td>
<td>After shift</td>
<td>GB EH40 BAT</td>
</tr>
<tr>
<td>4-methylpentan-2-one</td>
<td>108-10-1</td>
<td>4-methylpentan-2-one: 20micromol per litre (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 filter (Type A)
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm
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.

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: colourless
Odour: hydrocarbon-like
Odour Threshold: No data available
Flash point: ca. 24 °C
Autoignition temperature: ca. 432 °C
Decomposition temperature: No data available
Lower explosion limit (Vol-%): 1 %(V)
**Upper explosion limit (Vol-%):** 7 % (V)

**Flammability:** No data available

** Explosive properties:** No data available

**Oxidizing properties:** No data available

**pH:** Not applicable

**Melting point/range / Freezing point:** No data available

**Boiling point/boiling range:** ca. 116 - 140 °C

**Vapour pressure:** 7,9993 hPa

**Density:** ca. 0,86 g/cm³ at 20 °C

**Water solubility:** insoluble

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

**Viscosity, dynamic:** No data available

**Viscosity, kinematic:** < 6,9 mm²/s at 40 °C

**Relative vapour density:** No data available

**Evaporation rate:** No data available

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**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

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Harmful in contact with skin or if inhaled

Components:

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

4-methylpentan-2-one:
- Acute oral toxicity: LD50 Oral (Rat): 2.080 mg/kg
- Acute dermal toxicity: LD50 Dermal (Rabbit): 16.000 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

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
May cause respiratory irritation.

STOT - repeated exposure
May cause damage to organs through prolonged or repeated exposure.
Aspiration toxicity
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Components:

xylene:

Toxicity to fish: 3.3 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout)

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
14.1 UN number : 1263
14.2 Description of the goods : PAINT RELATED MATERIAL
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 related material
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 RELATED MATERIAL
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 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.


P5c FLAMMABLE LIQUIDS Quantity 1 Quantity 2

VOC-CH (VOCV) : 100 % 5.000 t 50.000 t

VOC-EU (solvent) : 100 %

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 Regulations (COMAH), and amendments.

Other regulations

: Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where 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

H225  Highly flammable liquid and vapour.
H226  Flammable liquid and vapour.
H304  May be fatal if swallowed and enters airways.
H312  Harmful in contact with skin.
H315  Causes skin irritation.
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
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 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
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!