

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

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 name of supplier : Sika Limited
Watchmead Welwyn Garden City
Hertfordshire. AL7 1BQ
Telephone : +44 (0)1707 394444
Telefax : +44 (0)1707 329129
E-mail address of person : EHS@uk.sika.com
responsible for the SDS

1.4 Emergency telephone number

+44 (0)1707 363899 (available during office hours).

SECTION 2: Hazards identification

2.1 Classification of the substance or 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, hearing organs | H373: May cause damage to organs through prolonged or repeated exposure if inhaled. |
| 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 :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

| | | |
|----------------------------|--------------------|--|
| Precautionary statements : | 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 (hearing or-gans) through prolonged or repeated expo-sure if inhaled. |
| | 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-pours/ spray. |
| | P264 | Wash skin thoroughly after handling. |
| | 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:

- 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

Components

| Chemical name | CAS-No. EC-No. Registration number | Classification | Concentration (% w/w) |
|---|---|--|--------------------------|
| xylene Contains: ethylbenzene <= 25 % | 1330-20-7 215-535-7 01-2119488216-32-XXXX | Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304 | >=80 |

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

| | | | |
|----------------------|--|---|-------------|
| 4-methylpentan-2-one | 108-10-1 203-550-1 01-2119473980-30-XXXX | Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335 | >= 5 - < 10 |
|----------------------|--|---|-------------|

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 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 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 material 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).

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

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 re-sealed and kept upright to prevent leakage. Store in accordance with local regulations.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters * | Basis * |
|--|-----------|-------------------------------|----------------------------------|------------|
| xylene | 1330-20-7 | TWA | 50 ppm 221 mg/m ³ | 2000/39/EC |
| Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | | |
| | | STEL | 100 ppm 442 mg/m ³ | 2000/39/EC |
| 4-methylpentan-2-one | 108-10-1 | TWA | 20 ppm | 2000/39/EC |

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

| | | | | |
|--|--|------|----------------------|------------|
| | | | 83 mg/m3 | |
| | Further information: Indicative | | | |
| | | STEL | 50 ppm 208 mg/m3 | 2000/39/EC |
| | | TWA | 50 ppm 208 mg/m3 | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | STEL | 100 ppm 416 mg/m3 | GB EH40 |

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

Biological occupational exposure limits

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|----------------------|-----------|--|---------------|-------------|
| xylene | 1330-20-7 | methyl hippuric acid: 650 Millimoles per mole Creatinine (Urine) | After shift | GB EH40 BAT |
| 4-methylpentan-2-one | 108-10-1 | 4-methylpentan-2-one: 20 micromol per litre (Urine) | After shift | GB EH40 BAT |

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 (> 0,1 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 : In case of inadequate ventilation wear 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 - Meth-

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

ods 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 |
| pH | : Not applicable |
| Melting point/range / Freezing point | : No data available |
| Boiling point/boiling range | : ca. 116 - 140 °C |
| Flash point | : ca. 24 °C Method: closed cup |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : No data available |
| Upper explosion limit / Upper flammability limit | : 7 %(V) |
| Lower explosion limit / Lower flammability limit | : 1 %(V) |
| Vapour pressure | : 7,9993 hPa |
| Relative vapour density | : No data available |
| Density | : ca. 0,86 g/cm ³ (20 °C) |
| Solubility(ies) | |
| Water solubility | : insoluble |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature | : ca. 432 °C |

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : No data available

Viscosity, kinematic : < 6,9 mm²/s (40 °C)

Explosive properties : No data available

Oxidizing properties : 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

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

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

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

Aspiration toxicity

May be fatal if swallowed and enters airways.

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 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

14.1 UN number

ADR : UN 1263
IMDG : UN 1263
IATA : UN 1263

14.2 UN proper shipping name

ADR : PAINT RELATED MATERIAL
IMDG : PAINT RELATED MATERIAL

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

IATA : Paint related material

14.3 Transport hazard class(es)

ADR : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADR

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3
Tunnel restriction code : (D/E)

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 366
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA (Passenger)

Environmentally hazardous : no

IATA (Cargo)

Environmentally hazardous : no

14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.



SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
 Number on list 3

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : 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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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

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

P5c FLAMMABLE LIQUIDS

|| Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)
 Volatile organic compounds (VOC) content: 100 %

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
 Volatile organic compounds (VOC) content: 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:

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

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

| | |
|------|---|
| 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 |
| 2000/39/EC | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| GB EH40 | : UK. EH40 WEL - Workplace Exposure Limits |
| GB EH40 BAT | : UK. Biological monitoring guidance values |
| 2000/39/EC / TWA | : Limit Value - eight hours |
| 2000/39/EC / STEL | : Short term exposure limit |
| GB EH40 / TWA | : Long-term exposure limit (8-hour TWA reference period) |
| GB EH40 / STEL | : Short-term exposure limit (15-minute reference period) |
| 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 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 |

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sika® Thinner C



Revision Date 29.07.2020

Version 5.0

Print Date 29.07.2020

| | | |
|-------|---|--|
| 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 |

Further information

Classification of the mixture:

| | |
|---------------|------|
| Flam. Liq. 3 | H226 |
| Acute Tox. 4 | H332 |
| Acute Tox. 4 | H312 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| STOT SE 3 | H335 |
| STOT RE 2 | H373 |
| Asp. Tox. 1 | H304 |

Classification procedure:

| |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

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 !

GB / EN