

# SAFETY DATA SHEET

## Sikalastic® U-Primer



Version  
3.0

Revision Date:  
15.12.2021

SDS Number:  
100000009916

Date of last issue: 13.11.2019  
Date of first issue: 17.12.2015

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### SECTION 1: Identification of the hazardous chemical and of the supplier

#### Product identifier

Product name : Sikalastic® U-Primer

Product code : 100000009916

#### Recommended use of the chemical and restrictions on use

Product use : Polyurethane coating, For professional users only.

#### Manufacturer or supplier's details

Company : Sika Kimia Sdn. Bhd.  
Lot 689 Nilai Industrial Estate  
71800 Nilai  
Telephone : +60 6799 1762  
Telefax : +60 6799 1980  
E-mail address : EHS@my.sika.com  
Emergency telephone number : -

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### SECTION 2: Hazards identification

#### Classification of the hazardous chemical

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2

Respiratory sensitisation : Category 1

Skin sensitisation : Category 1

Carcinogenicity : Category 2

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

Specific target organ toxicity - repeated exposure (Inhalation) : Category 2

Aspiration hazard : Category 1

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### Label elements

Hazard pictograms



Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements

**Prevention:**

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P260 Do not breathe mist or vapours.  
P280 Wear protective gloves/ eye protection/ face protection.  
P281 Use personal protective equipment as required.  
P285 In case of inadequate ventilation wear respiratory protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P331 Do NOT induce vomiting.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

### Other hazards which do not result in classification

None known.

## SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

### Components

| Chemical name | CAS-No.   | Concentration (% w/w) |
|---------------|-----------|-----------------------|
| xylene        | 1330-20-7 | >= 10 -< 30           |

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|                                                      |            |             |
|------------------------------------------------------|------------|-------------|
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9  | >= 10 -< 20 |
| Polypropylene glycol                                 | 25322-69-4 | >= 10 -< 30 |
| 4,4'-methylenediphenyl diisocyanate                  | 101-68-8   | >= 5 -< 10  |
| Ethylbenzene                                         | 100-41-4   | >= 5 -< 10  |

### SECTION 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 induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Risk of serious damage to the lungs (by aspiration).  
irritant effects  
sensitising effects  
Aspiration may cause pulmonary oedema and pneumonitis.  
Asthmatic appearance  
Cough  
Respiratory disorder  
Allergic reactions  
Excessive lachrymation  
Headache  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
Suspected of causing cancer.

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May cause damage to organs through prolonged or repeated exposure if inhaled.

Notes to physician : Treat symptomatically.

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### SECTION 5: Firefighting measures

#### Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Water

#### Physicochemical hazards arising from the chemical

Hazardous combustion products : No hazardous combustion products are known

#### Special protective equipment and precautions for fire-fighters

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

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

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### SECTION 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).

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### SECTION 7: Handling and storage

#### Handling

#### Precautions for safe handling

Advice on protection against : Use explosion-proof equipment.

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|              |          |     |                                  |        |
|--------------|----------|-----|----------------------------------|--------|
| ethylbenzene | 100-41-4 | TWA | 100 ppm<br>434 mg/m <sup>3</sup> | MY PEL |
|              |          | TWA | 20 ppm                           | ACGIH  |

### Biological occupational exposure limits

| Components   | CAS-No.   | Control parameters                             | Biological specimen | Sampling time                                            | Permissible concentration | Basis     |
|--------------|-----------|------------------------------------------------|---------------------|----------------------------------------------------------|---------------------------|-----------|
| xylene       | 1330-20-7 | Methylhippuric acids                           | Urine               | End of shift (As soon as possible after exposure ceases) | 1.5 g/g creatinine        | ACGIH BEI |
| ethylbenzene | 100-41-4  | Sum of mandelic acid and phenyl glyoxylic acid | Urine               | End of shift (As soon as possible after exposure ceases) | 0.15 g/g creatinine       | ACGIH BEI |

### Individual protection measures, such as personal protective equipment

- Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
- Skin protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- 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.
- 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.
- 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.

### SECTION 9: Physical and chemical properties

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|                                                  |   |                                            |
|--------------------------------------------------|---|--------------------------------------------|
| Appearance                                       | : | liquid                                     |
| Colour                                           | : | transparent                                |
| Odour                                            | : | solvent-like                               |
| Odour Threshold                                  | : | No data available                          |
| pH                                               | : | Not applicable                             |
| Melting point/range / Freezing point             | : | No data available                          |
| Boiling point/boiling range                      | : | No data available                          |
| Flash point                                      | : | 26 °C (79 °F)<br>(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                                  | : | 53 hPa                                     |
| Relative vapour density                          | : | No data available                          |
| Density                                          | : | ca. 0.99 g/cm <sup>3</sup> (25 °C (77 °F)) |
| Solubility(ies)                                  |   |                                            |
| Water solubility                                 | : | No data available                          |
| Solubility in other solvents                     | : | Not applicable                             |
| Partition coefficient: n-octanol/water           | : | No data available                          |
| Auto-ignition temperature                        | : | 465 °C                                     |
| Decomposition temperature                        | : | No data available                          |
| Viscosity                                        |   |                                            |
| Viscosity, dynamic                               | : | ca. 50 mPa.s (25 °C (77 °F))               |
| Viscosity, kinematic                             | : | 7 mm <sup>2</sup> /s ( 40 °C (104 °F))     |
| Explosive properties                             | : | No data available                          |
| Oxidizing properties                             | : | No data available                          |

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### SECTION 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.

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### SECTION 11: Toxicological information

Information on likely routes of exposure : None known.

#### Acute toxicity

Harmful if inhaled.

#### Components:

##### **xylene:**

Acute oral toxicity : LD50 Oral (Rat): 3,523 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 1,700 mg/kg

##### **Diphenylmethanediisocyanate, isomeres and homologues:**

Acute oral toxicity : LD50 Oral (Rat): > 10,000 mg/kg

Acute inhalation toxicity : LC50: 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgement  
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 Dermal (Rabbit): > 9,400 mg/kg

##### **Polypropylene glycol:**

Acute oral toxicity : LD50 (Rat): 1,000 mg/kg

##### **4,4'-methylenediphenyl diisocyanate:**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50: 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgement



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### ethylbenzene:

Acute oral toxicity : LD50 Oral (Rat): 3,500 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 5,510 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

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Suspected of causing cancer.

#### 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 if inhaled.

#### Aspiration toxicity

May be fatal if swallowed and enters airways.

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## SECTION 12: Ecological information

### Ecotoxicity

#### Components:

##### **xylene:**

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 2.2 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 1.3 mg/l  
Exposure time: 56 d

Toxicity to daphnia and other aquatic invertebrates (Chronic) : NOEC (Daphnia (water flea)): 1.17 mg/l  
Exposure time: 7 d

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ic toxicity)

### Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 1,640 mg/l  
Exposure time: 72 h

### ethylbenzene:

M-Factor (Acute aquatic toxicity) : 1

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: Disposal information

### 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.

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## SECTION 14: Transport information

### International Regulations

#### UNRTDG

UN number : UN 1263  
Proper shipping name : PAINT  
Class : 3

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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.

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## SECTION 15: Regulatory information

### Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors

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## SECTION 16: Other information

Date format : dd.mm.yyyy

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
MY PEL : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.  
ACGIH / TWA : 8-hour, time-weighted average

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|              |   |                                                                                                                                                                                                                                      |
|--------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACGIH / STEL | : | Short-term exposure limit                                                                                                                                                                                                            |
| MY PEL / TWA | : | Eight-hour time-weighted average airborne concentration                                                                                                                                                                              |
| 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 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                                                                                                                                                                                                    |
| 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 !

MY / EN