

SAFETY DATA SHEET

SikaTite PU



Version 1.0

SDS Number: 100000009718

Revision Date: 22.05.2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SikaTite PU
Product code : 100000009718
Type of product : viscous liquid

Manufacturer or supplier's details

Company : Sika Australia Pty. Ltd.
55 Elizabeth Street
Wetherill Park, NSW 2164
Telephone : +61 2 9725 11 45
Telefax : +61 2 9725 33 30
Emergency telephone number : +61 1800 033 111

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3
Acute toxicity (Inhalation) : Category 4
Respiratory sensitisation : Category 1
Skin sensitisation : Category 1
Carcinogenicity : Category 2
Specific target organ toxicity - repeated exposure (Inhalation) : Category 1 (Central nervous system)
Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.
H412 Harmful to aquatic life with long lasting effects.



Precautionary statements

: **Prevention:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- 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:

- P303 + P361 + P533 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- 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.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P363 Wash contaminated clothing before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

| Chemical name | CAS-No. | Concentration (%) |
|--|------------|-------------------|
| Solvent naphtha (petroleum), medium aliph.; Straight run kerosine | 64742-88-7 | >= 10 - < 30 |

SAFETY DATA SHEET

SikaTite PU



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|--|------------|------------|
| Hydrocarbons, C9, aromatics | 64742-95-6 | 0 - < 10 |
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9 | >= 1 - < 5 |
| 4-methyl-m-phenylene diisocyanate | 584-84-9 | 0 - < 1 |
| 2-methyl-m-phenylene diisocyanate | 91-08-7 | 0 - < 1 |

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 : Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : sensitising effects
Asthmatic appearance
Respiratory disorder
Allergic reactions
Headache
See Section 11 for more detailed information on health effects and symptoms.
May cause an allergic skin reaction.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure if inhaled.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : Water
High volume water jet
- Specific hazards during fire- : Do not use a solid water stream as it may scatter and spread

SAFETY DATA SHEET

SikaTite PU



Version 1.0

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| fighting | fire. |
| Hazardous combustion products | : No hazardous combustion products are known |
| Specific extinguishing methods | : Use water spray to cool unopened containers. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
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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

- | | |
|---|---|
| Advice on protection against fire and explosion | : Use explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take precautionary measures against electrostatic discharges. |
| Advice on safe handling | : Avoid formation of aerosol. Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Follow standard hygiene measures when handling chemical products |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety |
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practice.
 When using do not eat or drink.
 When using do not smoke.
 Wash hands before breaks and at the end of workday.

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|--|--|-------------------------------|--|--------|
| Hydrocarbons, C9, aromatics | 64742-95-6 | TWA | 900 mg/m ³ | AU OEL |
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9 | TWA | 0.02 mg/m ³ (NCO) | AU OEL |
| | Further information: Sensitiser | | | |
| | | STEL | 0.07 mg/m ³ (NCO) | AU OEL |
| | Further information: Sensitiser | | | |
| 4-methyl-m-phenylene diisocyanate | 584-84-9 | TWA | 0.02 mg/m ³ (NCO) | AU OEL |
| | Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser | | | |
| | | STEL | 0.07 mg/m ³ (NCO) | AU OEL |
| | Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser | | | |
| 2-methyl-m-phenylene diisocyanate | 91-08-7 | TWA | 0.02 mg/m ³ (NCO) | AU OEL |
| | Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser | | | |
| | | STEL | 0.07 mg/m ³ (NCO) | AU OEL |
| | Further information: Category 2 (Carc. 2) Suspected human carcinogen, Sensitiser | | | |

Personal protective equipment

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

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

SAFETY DATA SHEET

SikaTite PU



Version 1.0

SDS Number: 100000009718

Revision Date: 22.05.2019

essary.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : viscous liquid
- Colour : grey
- Odour : mild, aromatic
- 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 : ca. 42 °C (108 °F)
Method: closed cup
- Evaporation rate : No data available
- Flammability : No data available
- Upper explosion limit : 7 %(V)
- Lower explosion limit : 0.8 %(V)
- Vapour pressure : 4.9996 hPa (3.750 mmHg)
- Relative vapour density : No data available
- Density : ca. 1.25 g/cm³ (20 °C (68 °F) ())
- Solubility(ies)
Water solubility : insoluble
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available

SAFETY DATA SHEET

SikaTite PU



Version 1.0

SDS Number: 100000009718

Revision Date: 22.05.2019

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| Viscosity | |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : > 20.5 mm ² /s (40 °C) |
| Explosive properties | : No data available |
| Molecular weight | : No data available |

SECTION 10. STABILITY AND REACTIVITY

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|---|--|
| 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. | |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Components:

Hydrocarbons, C9, aromatics:

| | |
|-----------------------|---------------------------------------|
| Acute oral toxicity | : LD50 Oral (Rat): > 2,000 mg/kg |
| Acute dermal toxicity | : LD50 Dermal (Rabbit): > 2,000 mg/kg |

Diphenylmethanediisocyanate, isomers and homologues:

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

4-methyl-m-phenylene diisocyanate:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 Oral (Rat): > 5,000 mg/kg |
| Acute inhalation toxicity | : LC50 (Rat): 0.107 mg/l Exposure time: 4 h Test atmosphere: vapour |
| Acute dermal toxicity | : LD50 Dermal (Rat): > 9,400 mg/kg |



2-methyl-m-phenylene diisocyanate:

Acute inhalation toxicity : LC50 (Rat): 0.107 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

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.

Chronic toxicity

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

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Hydrocarbons, C9, aromatics:

Toxicity to algae : (Pseudokirchneriella subcapitata (green algae)): 2.6 - 2.9 mg/l
Exposure time: 72 h

Diphenylmethanediisocyanate, isomers and homologues:

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

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

**Persistence and degradability**

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

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

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

SECTION 14. TRANSPORT INFORMATION**International Regulations****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

SAFETY DATA SHEET

SikaTite PU



Version 1.0

SDS Number: 100000009718

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG

UN number : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : III
Labels : 3
Hazchem Code : •3Y

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.

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform : No poison schedule number allocated
Scheduling of Medicines and
Poisons

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

Prohibition/Licensing Requirements : Quartz (SiO₂)
Refer to model WHS Act and Regulations for prohibition, authorisation and restricted use.

The components of this product are reported in the following inventories:

AICS : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Date format : dd.mm.yyyy

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: aus.sika.com

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.