

Safety Data Sheet
according to 91/155/EEC and ISO 11014-1
(see instructions in Annex to 93/112/EC)

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MSDS No.: 453

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

1. Identification of the substance/preparation and company

Product

Product name

Sikafloor®PU

Manufacturer/supplier information

Manufacturer/supplier:	Sika Australia Pty. Ltd.
Street/postbox:	55 Elizabeth Street
Town/City and Post Code:	Wetherill Park, NSW 2164
Country:	AUSTRALIA
Phone:	(02) 9725 1145
Telefax:	(02) 9725 3330
Emergency information phone:	1800 033 111

2. Composition/information on ingredients

Chemical characterization

Polyisocyanate, containing solvent

Hazardous ingredients

Designation according to 67/548/EEC

CAS No.	Concentration	Danger symbols	R phrases
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EEC No.

- | | | | |
|---|-----------|----|----------------|
| • Urethane Polymer | 30 - 60 % | Xi | 43,52/53 |
| • xylene | | | |
| 1330-20-7 | 30 - 60 % | Xn | 10,20/21,38 |
| • Methylene Bis(4-xyclohexylisocyanate) | | | |
| 5124-30-1 | <1% | Xi | 36/37/38,42/43 |
| • 2-methoxy-1-methylethyl acetate | | | |
| 108-65-6 | 10 - 30 % | Xi | 10,36 |

3. Hazards identification

Hazards identification

F Flammable

Information on hazards to man and to the environment

10	Flammable.
20/21	Harmful by inhalation and in contact with skin.
36/37/38	Irritating to eyes, respiratory system and skin.
42/43	May cause sensitization by inhalation and by skin contact.
52/53	very toxic to aquatic organisms and may cause long term adverse effects.

4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Provide plenty of fresh air. If breathing is difficult give oxygen through a face mask. If not breathing apply artificial respiration. Seek medical attention.

After skin contact

In case of contact with skin or hair remove contaminated clothing and wash off immediately with plenty of water. If irritation persists seek medical advice. Wash contaminated clothing before re-use.

After eye contact

In case of contact with eyes, rinse immediately with water for at least 15 minutes. If symptoms persist seek medical attention.

After ingestion

Do not induce vomiting.

Summon a doctor immediately or contact Poisons Information Center.

5. Fire-fighting measures

Suitable extinguishing media

alcohol-resistant foam
dry powder
carbon dioxide

Unsuitable extinguishing media for safety reasons

Full water jet

Exposure hazard arising from the product, its combustion products or resulting gases

In the event of fire the following can be released:

Carbon monoxide (CO)
Carbondioxide (CO₂)
Nitrogen oxides (NO_x)

Special protective equipment for fire-fighting

Full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Additional information

Water spray may be used to keep fire exposed containers cool.

Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

- Ensure adequate ventilation.
- Use personal protective clothing.
- Use breathing apparatus if exposed to vapours.

Environmental precautions

- Do not allow to enter drains or waterways
- In case of entry into waterways, soil or drains, inform the responsible authorities.

Procedures for cleaning up

- Avoid sparking.
- Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
- When picked up, treat material as prescribed under heading "Disposal".

7. Handling and storage

Handling

- Instructions for safe handling
- See chapter 8 / Personal protective equipment.

Instructions for fire and explosion protection

- Keep away from sources of ignition - no smoking.
- Vapours may form explosive mixtures with air.
- Take precautionary measures against electrostatic loading.

Storage

- Requirements for storage rooms and containers
- Keep container tightly closed and dry in a cool, dry well-ventilated area away from sources of ignition.

Combined storage instructions

- Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

- Protect oxidising agents.
- Protect from heat and direct sunlight.
- Protect from atmospheric moisture and water.

8. Exposure controls/personal protection

Substances having workplace related exposure values/limits which may require monitoring for assessment purposes

Designation of substance		Ref./Country/Year	
CAS No.	Type		
· xylene			
1330-20-7	OES	441 mg/m3	HSE/EH40/UK
1330-20-7	OES	100 ml/m3	HSE/EH40/UK

8. Exposure controls/personal protection (continued)

· Isocyanates (as -NCO)

TWA 0.02 mg/m³STEL 0.07 mg/m³

· Propylene glycol monomethyl ether acetate

108-65-6 OES 208 mg/m³ HSE/EH40/UK108-65-6 OES 50 ml/m³ HSE/EH40/UK**Personal protective equipment**

General protective and hygiene measures

Take care for sufficient ventilation or exhaust on the workshop place.

Avoid contact with eyes and skin

Use barrier skin cream.

Remove soiled or soaked clothing immediately.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Respiratory protection

In case of insufficient ventilation.

Ori-nasal mask suitable for organic vapours.

Class of vapour filter is depending on

pollutant concentration on the scene.

Hand protection

Butyl rubber/nitrile rubber gloves

Eye protection

Safety glasses with side shields

Body protection

protective clothing

9. Physical and chemical properties**Appearance**

Physical state: liquid

Colour: amber

Odour: Aromatic hydrocarbon odour

Data relevant to safety

Flash Point 29 °C (PMCC)

Specific Gravity 1.03-1.08

Boiling Point 137°C-143°C

Vapour Pressure 5.2kPa @ 38°C and 0.5kPa @ 20°C

Solubility in water insoluble

Flammability Limits LEL - 1.1% UEL - 7.7%

10. Stability and reactivity

Conditions to avoid

Halogens, molten sulphur, strong oxidising agents, sulphur.

Materials to avoid/dangerous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

Sensitization/allergic reaction possible.

Allergic reaction may be observed in sensitive persons, even on very low concentrations.

Experience on humans

When skin contact:

Repeated exposure may cause irritation, redness, sensitisation skin dryness and cracking.

When eyes contact:

May cause irritation, redness, tearing, stinging and blurred vision.

When inhaled:

Harmful by inhalation. Will cause irritation and may cause sensitisation in some individuals. High concentrations can cause severe breathing difficulties and other effects due to respiratory tract irritation.

When swallowed:

Small amount may cause considerable health disorders.

12. Ecological information

Additional information

Do not allow to enter waste water drain, waterways or soil.

13. Disposal considerations

Product

Recommendations

Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.

See chapter 15, national regulations.

Packaging

Recommendations

Completely emptied packagings can be given for recycling.

Packaging that cannot be cleaned should be disposed of according to national regulations.

14. Transport information

ADG/ADR/RID

UN No.: 1866 Class: 3 Cipher: 31c) Packing group: III
Proper shipping name
Resin Solution
Label No.: 3

IMO/IMDG

UN No.: 1866 Class: 3 Packing group: III
EmS: 3-05
Marine pollutant: P
Proper shipping name
Resin Solution
Label No.: 3

IATA/ICAO

UN No.: 1866 Class: 3 Packing group: III
Proper shipping name
Resin Solution
Label No.: 3
Poisons schedule : S6

15. Regulatory information

Labelling according to EEC Directive

The product is classified and labelled in accordance with
EC directives/the relevant national laws.
Relevant hazardous ingredients for labelling

Contains: Aliphatic polyisocyanate
xylene

Danger symbols

F Flammable

R phrases

10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
36/37/38 Irritating to eyes respiratory system and skin.
42/43 May cause sensitization by inhalation and skin contact.
52/53 Harmful to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.

S phrases

16 Keep away from sources of ignition.
23 Do not breathe gas/fumes/vapour/spray.
24 Avoid contact with skin.
29 Do not empty into drains.
36/37 Wear suitable protective clothing and gloves.
51 Use only in well-ventilated areas.

Special labelling for certain preparations

Contains isocyanates. Observe manufacturer's instructions.

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16. Other information

asterisk (*) on left margin marks modification of previous version

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