



# Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 1 of 5

Revised: 10 Dec 2008

MSDS No:453

## CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

### 1. Identification of the substance/preparation and company

Product:

#### Sikafloor PU

Recommended use:

Polyurethane coating.

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
Fax:	(02) 9725 3330
General information	Operations Manager

Emergency information phone: 1800 033 111

### 2. Hazard identification

Hazard Category:

F	Flammable
Xn	Harmful
Xi	Irritant

R Phrases

R10	Flammable
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R42/43	May cause sensitisation by inhalation and skin contact.

S Phrases:

S23	Do not breathe gas/fumes/vapour/spray.
S24/25	Avoid contact with skin and eyes.
S36/37/39	Wear protective clothing, suitable gloves and eye/face protection.

### 3. Composition/information on ingredients

Chemical characterization:

Solvent based polyurethane

Hazardous ingredients:

Ingredient	CAS No	Concentration
Xylene	1330-20-7	30-60%
2-Methoxy-1-methylethyl acetate	108-65-6	10-30%
Methylene Bis (4-Cylcohexylisocyanate)		<1%

### 4. First-aid measures

Inhalation:

Ensure supply of fresh air. Apply artificial respiration if breathing has stopped.  
Seek medical attention..

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.  
Consult a doctor if irritation persists.



# Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 2 of 5

Revised: 10 Dec 2008

MSDS No:453

## Eye contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and seek medical attention immediately.

## Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

## Notes to physician:

Treat symptomatically.

## 5. Fire-fighting measures

### Specific hazards:

In the event of fire oxides of carbon and nitrogen can be released.  
Flammable liquid. Keep storage tanks, pipelines, fire exposed surface cool with water spray. Shut off any leaks if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Heating can cause expansion or decomposition with violent rupture of containers.

### Special protective precautions and equipment:

On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

### Suitable extinguishing media:

If material is involved in a fire use foam, carbon dioxide and dry chemical powder.

## 6. Accidental release measures

### Small Spills:

Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination. Collect mechanically using non combustible material and seal in properly labelled containers or drums for disposal.

Do not allow to enter drains or waterways.

In case of entry into waterways, soil or drains, inform responsible authorities.

## 7. Handling and storage

### Handling:

Provide good ventilation in working area.  
Keep away from sources of ignition.

### Storage:

Store in a cool, dry, well-ventilated place and out of heat, direct sunlight and sources of ignition. Store away from food, beverages and animal feedstock.

Information about protection against explosions and fires: Pressurized container. Protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce, burn, even after use. Do not spray on a naked flame or any incandescent body. Keep away from sources of ignition- No smoking. Without adequate ventilation formation of flammable/explosives vapour – air



# Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0  
Revised: 10 Dec 2008

Page: 3 of 5  
MSDS No:453

## 8. Exposure controls/personal protection

National occupational exposure limits:

No value assigned for this specific material by the NOHSC Australia.

However for:

	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Xylene	80	350	150	655

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Natural ventilation should be adequate under normal use conditions. If ventilation is in adequate use respirator.

Personal protection equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Due to variations in glove construction and local conditions, the user should make an assessment of the appropriate gloves to use. Wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. Physical and chemical properties

Appearance:

Physical state: Liquid  
Colour: Clear  
Odour: Aromatic

Data relevant to safety:

Solubility: Insoluble in water  
Density (20 °C): 0.9 8g/cm<sup>3</sup>  
Boiling Point (°C): 137 -143  
Vapour Pressure (38 °C): 5.2 KPa  
Evaporation Rate 0.7 (butyl acetate =1)  
Vapour Density 3.7 (air =1)  
Flash Point(°C): 29  
Explosion limits 1.1 – 7.7%

(Typical values only - consult specification sheet)

## 10. Stability and reactivity

Chemical stability:

This material is thermally stable when stored and used as directed.

Conditions to avoid:

Heat, direct sunlight, open flames and other sources of ignition.

Hazardous decomposition products:

Oxides of carbon and nitrogen.



# Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 4 of 5

Revised: 10 Dec 2008

MSDS No:453

## 11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute toxicity:

**Skin:** Harmful and irritating to skin. Symptoms may include redness and itchiness. Repeated exposure may cause skin dryness and cracking leading to dermatitis. Sensitization is possible in some individuals.

**Eye:** may cause eye irritation. Symptoms include redness, tearing, stringing and swelling.

**Inhalation:** Harmful by inhalation. Vapor concentrations are irritating to respiratory tracts, may cause headaches and dizziness and may effect the central nervous system. Inhalation may cause sensitization in some individuals.

**Ingestion:** Ingestion may cause nausea, vomiting and CNS depression including drowsiness, dizziness, headaches, fatigue, confusion and possible unconsciousness.

Acute toxicity / Chronic toxicity:

Prolonged repeated skin contact may cause de-fatting leading to dermatitis. Prolonged exposure may also damage blood organs, lungs, liver, kidneys and nervous system.

## 12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:

No information available.

Persistence and degradability:

No information available.

Mobility:

No information available.

## 13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

## 14. Transport information

ADG/ADR/RID

UN No:	1866
Dangerous Goods Class:	3
Packing group	III
Proper Shipping Name:	Resin solution.
Hazchem code	[3Y]

IMDG

UN No:	1866
Dangerous Goods Class:	3
Packing group	III
Proper Shipping Name:	Resin solution.



# Safety Data Sheet

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Version: 1.0

Page: 5 of 4

Revised: 10 Dec 2008

MSDS No:453

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Dangerous Goods Class:	3
Packing group	III
Proper Shipping Name:	Resin solution.

## 15. Regulatory information

Poisons Schedule (Aust):  
Not scheduled S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. Other information

Reason(s) For Issue: New Product.

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: [www.sika.com.au](http://www.sika.com.au)

The information contained in this Safety Date 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 Technical Data Sheet prior to any use and processing.