



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

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Revised: 3-Sep-07

MSDS No: 335

HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

SikaBond®-T53

Recommended use:

Sealants and adhesives/Elastic products.

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. Composition/information on ingredients

Chemical characterization:

Filled, reactive PUR-polymers

Ingredients:

Ingredient	CAS No	Concentration
Xylene	1330-20-7	< 10 %
4,4-methylenediphenyl diisocyanate	101-68-8	< 1 %
Non-hazardous ingredients		to 100 %

3. Hazard identification

Hazard Category:

Xn Harmful

Information on hazards to man and to the environment

R42 May cause sensitization by inhalation.

4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off immediately with soap and water. Remove soiled or soaked clothing immediately, do not allow to dry. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

After ingestion

Do not induce vomiting. Summon a doctor immediately. 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.



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5. Fire-fighting measures

Suitable extinguishing media

In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.

Unsuitable extinguishing media for safety reasons

Not applicable

Fire-fighting instructions

Extinguish with extinguishing media.

Shut off fuel to fire if possible to do so without hazard.

Keep personnel removed from and upwind of fire.

Move container from fire areas if it can be done without risk.

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

In the event of fire the following can be released :

Isocyanates

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen Chloride (HCl)

Possible in traces:

Hydrogen Cyanide (HCN)

Special protective equipment for fire-fighting

Use breathing apparatus.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

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

Pick up mechanically

When picked up, treat material as prescribed under heading "Disposal".

Remove residues with small amount of alcohol-based solvent.

7. Handling and storage

Handling

Instructions for safe handling

See chapter 8/personal protective equipment.

Avoid contact with eyes, skin and clothing.

Provide good ventilation of working area (local exhaust ventilation if necessary).

Instructions for fire and explosion protection

Keep away from sources of ignition – refrain from smoking.

Storage

Requirements for storage rooms and containers

Keep container tightly closed and dry in a cool, well-ventilated place.

Keep containers closed when not in use - check regularly for leaks.

Keep away from food, beverages and animal feedstock.

Additional information regarding storage

Protect from frost.

Protect from heat and direct sunlight

Protect from atmospheric moisture and water

Storage temperature should be between 5- 25°C Store away from foodstuffs.



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8. Exposure controls/personal protection

Occupational exposure limits

- Xylene
 - TLV-TWA 80ppm, 347mg/m³ (skin) (ACGIH 1999)
 - TLV-STEL 150ppm, 650mg/m³ (skin) (ACGIH 1999)
- 4,4-methylenediphenyl diisocyanate
 - TLV-TWA - ppm, 0.02 mg/m³ (as-NCO) (NOHSC 1999)
 - TLV-STEL - ppm, 0.07 mg/m³ (as -NCO) (NOHSC 1999)

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.

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: pasty
Colour: various
Odour: characteristic

Data relevant to safety:

Solubility - water: Insoluble (reacts with water)
Density(20 °C): approx 1.2 kg/L
Vapour Pressure (20 °C): 8 hPa
Flash Point (°C): >65 °C
Auto-ignition Temperature (°C): 240-525 °C
Lower explosion limit 0.6 % p.b.v.
pH: Not applicable

(Typical values only - consult specification sheet)

N Av = Not available

10. Stability and reactivity

Chemical stability:

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

Conditions to avoid:

If product reacts with water within the sealed container, form CO₂ and pressure may rise.
Reactions possible with : amines, alcohol, water.

Hazardous decomposition products:

No decomposition if used as prescribed.



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11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Acute toxicity / Chronic toxicity:

Xylene : Oral LD50 (rat) 4,300mg/kg

Sensitization

Allergic reactions can be observed by sensitive persons.

The same is also valid below the fixed exposure limits.

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: frequent skin contact may cause irritation and de-fatting due to the solvent content.

Eye contact: Irritating to eyes.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Long Term Effects:

No information available for product.

12. Ecological information

Biodegradability : No data

Bio accumulation : No data

Fish toxicity : No data

Additional information: Product is water polluting. Avoid contaminating waterways. Once cured the product is unlikely to have any adverse effect on the environment.

13. Disposal considerations

Waste disposal method

After products harden with humidity, It disposes as waste plastics.

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as product waste.

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID

Not classified as Dangerous Goods by the criteria of the ADG Code.

IMDG

Not classified as Dangerous Goods by the criteria of the IMDG Code for transport by sea.

IATA

Not classified as Dangerous Goods by the criteria of the IATA Dangerous Goods Regulations for transport by air.

15. Regulatory information

Poisons Schedule (Aust):

S5

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

16. Other information

Reason(s) For Issue: Revised

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

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 Technical Data Sheet prior to any use and processing.