



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0
Revised: 30 Apr 2007

Page: 1 of 5
MSDS No: 123

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikadur 51 Part A

Recommended use:

Two Component Epoxy Resin Joint Sealant.

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 and modified epoxy resin

Hazardous ingredients:

Ingredient	CAS No	Concentration
Bisphenol A diglycidyl ether	25068-38-6	10-30%
C12-C14 glycidyl ether	58609-97-2	1-10%
Polyurethane Prepolymer		1-10%

3. Hazard identification

Hazard Category:

Xi Irritant

Risk Phrase(s):

R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.

Safety Phrase(s):

S24 Avoid contact with skin.
S36/38/39 Wear suitable protective clothing, gloves and eye/face protection.

4. First-aid measures

Inhalation:

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 2 of 5

Revised: 30 Apr 2007

MSDS No: 123

until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

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. Effects may be delayed.

5. Fire-fighting measures

Specific hazards:

Combustion will produce smoke, carbon dioxide and carbon monoxide..

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 water spray, foam, dry chemical or carbon dioxide.

6. Accidental release measures

Small Spills:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large spills:

Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

7. Handling and storage

Handling:

Avoid skin and eye contact.
Use in a well ventilated area.

Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

National occupational exposure limits:

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

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Epichlorhydrin	2	7.6	-	-	-	Sk

As published by the NOHSC Australia.



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0
Revised: 30 Apr 2007

Page: 3 of 5
MSDS No: 123

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: Thixotropic paste
Colour: White
Odour: Characteristic

Data relevant to safety:

Solubility: Insoluble in water.
Density (20 °C): 1.5 g/cm³
Vapour Pressure (20 °C): 9 Pas.
Flash Point (°C): >160
Flammability Limits (%): N Av
Boiling Point (°C): >200

(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:

Elevated temperatures and sources of ignition.

Incompatible Materials:

No information available.

Hazardous decomposition products:

Oxides of carbon, smoke and other toxic fumes.

Hazardous reactions:

No information available.

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:



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 4 of 5

Revised: 30 Apr 2007

MSDS No: 123

Acute Effects:

Inhalation: Material may cause slight irritation.

Skin contact: Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Eye contact: May cause mild irritation to eyes.

Ingestion:

Small amounts can cause considerable health disorders.

Long Term Effects:

No information available for product.

Acute toxicity / Chronic toxicity:

LD50 (Oral,Rat) - >3400 mg/kg

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:

Harmful to aquatic organisms.

Persistence and degradability:

No information available

Mobility:

Product is insoluble in water.

13. Disposal considerations

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):

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

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



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 5 of 4

Revised: 30 Apr 2007

MSDS No: 123

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 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.



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 1 of 1

Revised: 03 MAY 2008

MSDS No: 028

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikadur 51 Part B

Recommended use:

Flexible epoxy joint sealant.

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

C

Corrosive

Risk Phrase(s):

R34

Causes burns

R43

May cause sensitisation skin contact.

Safety Phrase(s):

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S45:

In case of accident or if you feel unwell, seek medical advice.

3. Composition/information on ingredients

Chemical characterization:

Modified amine.

Hazardous ingredients:

Ingredient

CAS No

Concentration

Tri methylhexane 1,6 diamine

25620-58-0

10 – 30%

3-aminomethyl- 3,5,5 trimethyl cyclohexylamine

2855-13-2

1 – 10%

4. First-aid measures

Inhalation:

Move victim to fresh air. If breathing has stopped give artificial respiration. Seek medical attention immediately..

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and wash with soap and water for at least 15 minutes. Seek medical attention. Immediately. Wash contaminated clothing before use.



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 2 of 1

Revised: 03 MAY 2008

MSDS No: 028

Eye contact:

If in eyes, hold eyelids apart and flush the eyes continuously with warm water for 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.

Notes to physician:

Treat symptomatically.

5. Fire-fighting measures

Specific hazards:

If heated, pressure increase can occur and the container can burst with the risk of subsequent exposure. In the event of fire carbon monoxide, carbon dioxide, nitrogen oxide and metal oxides can be released.

Special protective precautions and equipment:

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing. Irritating or toxic gases may be present during a fire.

Suitable extinguishing media:

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

6. Accidental release measures

Spills:

. Ventilate the area. Wear protective equipment to prevent skin and eye contamination. Avoid breathing vapour or mist. Collect material with absorbents such as sand, earth and diatomaceous earth.. Do not allow the material to enter drains or waterways.

7. Handling and storage

Handling:

Avoid skin and eye contact. Do not breathe vapour or mist. Wear suitable personal protective equipment. Wash hands before eating, drinking or smoking.

Storage:

Store in a dry, well-ventilated place and out of direct heat, frost and moisture. Keep containers closed when not in use - check regularly for leaks. Store away food, beverage and animal feedstocks.

8. Exposure controls/personal protection

National occupational exposure limits:

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

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.



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 3 of 2

Revised: 03 MAY 2008

MSDS No: 028

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: Paste
Colour: Black
Odour: Amine like

Data relevant to safety:

Solubility: Insoluble in cold water.
Density (20 °C): 1.7 Kg/m³
Flash Point (°C): >101 °C (closed cup)
Vapour Pressure: 0.01 kPa (0.075mm Hg)
PH: 11.2 (Conc %w/w 50%)

(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:

No information available.

Materials to avoid:

No information available

No thermal decomposition if used as prescribed.

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 Effects:

Sensitization:

Allergic reaction maybe observed in sensitive persons even at very low concentrations.

Inhalation: May cause irritation.

Skin contact: May cause pain, irritation, redness and blistering.

Eye contact: May cause paint redness and watery eyes..



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 4 of 3

Revised: 03 MAY 2008

MSDS No: 028

Ingestion:
May cause stomach pains.

Long Term Effects:
No information available for product

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:
Toxic to aquatic organisms.

Persistence and degradability:
No information available.

Mobility:
Insoluble in cold water.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID

UN. No.	1759
Dangerous Goods Class	8
Packing Group	III
Proper Shipping Name: Corrosive solid, n.o.s	
Contains	Triethylhexamethylenediamine/Isophoroediamine

IMDG

UN. No.	1759
Dangerous Goods Class	8
Packing Group	III
Proper Shipping Name: Corrosive solid, n.o.s	
Contains	Triethylhexamethylenediamine/Isophoroediamine

IATA

UN. No.	1759
Dangerous Goods Class	8
Packing Group	III
Proper Shipping Name: Corrosive solid, n.o.s	
Contains	Triethylhexamethylenediamine/Isophoroediamine

15. Regulatory information

Poisons Schedule (Aust):
Not regulated.



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

Page: 5 of 5

Revised: 03 MAY 2008

MSDS No: 028

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.