



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0
Revised: 30 Apr 2007

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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



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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.



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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:



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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).



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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.

Material Safety Data Sheet

Sikadur[®]-51 Part B



HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

COMPANY DETAILS

COMPANY: Sika Australia Pty. Limited A.C.N. 001 342 329
Sika New Zealand Limited

ADDRESS: 55 Elizabeth Street, Wetherill Park, NSW 2164 (AUS)
85-91 Patiki Road, Avondale, Auckland (NZ)

TELEPHONE: (02) 9725 1145 (AUS)
(09) 828 7002 (NZ)

EMERGENCY TELEPHONE NO.: 1 800 033 111 (AUS)
0800 734 607(NZ)

FAX NUMBER: (02) 9725 3330 (AUS)
(09) 828 4091 (NZ)

IDENTIFICATION

PRODUCT NAME:	Sikadur [®] -51 Part B
OTHER NAMES:	Corrosive Solid N.O.S. (contains TMD)
MANUFACTURER'S PRODUCT CODE:	None
U.N. NUMBER:	1759
DANGEROUS GOODS CLASS:	Class 8
HAZCHEM CODE:	2X
POISONS SCHEDULE NUMBER:	5
USE:	A 2 component epoxy / polyurethane hybrid resin based semi flexible floor joint sealant.

PHYSICAL DESCRIPTION/PROPERTIES:

APPEARANCE:	Beige thixotropic paste.
BOILING POINT/MELTING POINT:	Not available
VAPOUR PRESSURE:	Not available
SPECIFIC GRAVITY:	~ 1.7
FLASHPOINT:	Not available
FLAMMABILITY LIMITS:	Ignition temperature > 350°C
SOLUBILITY IN WATER:	@ 20°C solubility ~ 20% v/v.

ADVICE NOTE:

The information contained in this Material Safety Data Sheet corresponds to our best knowledge at the time of publication. Each user should read the MSDS and Technical Data Sheet prior to handling and use.

This product is sold subject to our latest standard terms and conditions.

Gloves and safety glasses recommended should comply with Australian Standards or an equivalent approved by a Commonwealth, State or Territory authority. Respirators should comply with Australian Standard AS 1716 *Respiratory Protective Devices* or an equivalent approved by a State or Territory authority and should be used in accordance with Australian Standard AS 1715 *Selection, Use and Maintenance of Respiratory Protective Devices*.

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash thoroughly before eating, smoking, applying cosmetics etc. Thoroughly launder work clothes before reuse.

FLAMMABILITY:

Not flammable under conditions of use but will support combustion.

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT:

Store in licensed Corrosive Store complying with Commonwealth, State or Territory regulations.

NSW WorkCover permits storage of less than 1000 Litres exempt from Dangerous Goods Storage regulations.

Dangerous Goods Class:	8
Packing Group:	III
UN Number:	1759
Correct Shipping Name:	Corrosive Solid N.O.S. (cont. TMD)
Hazchem Code:	2X Combustible solid.
Emergency Procedure Guide:	8A1

SPILLS & DISPOSAL:

Prevent entering sewers or stormwater drains or waterways. In poorly ventilated or confined spaces wear a half face respirator suitable for organic vapours wear safety glasses or goggles and rubber or PVC gloves. Absorb with dry sand or vermiculite.

Collect absorbent and absorbed spill in a steel container that can be sealed. Dispose of using a licenced incinerator.

FIRE/EXPLOSION HAZARD:

Produces oxides of nitrogen and carbon on combustion. Fire fighting media-foam, carbon dioxide or dry powder.

OTHER INFORMATION:

Follow good working practice: Handle with care, avoid ingestion, inhalation, eye or skin contact.

CONTACT POINT:

Responsible Care Co-ordinator or Laboratory Manager
(02) 9725 1145 (AUS)

Operations Manager (09) 828 7002 or (09) 820 1432 (NZ)