

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version  
3.1

Revision Date:  
30.10.2024

SDS Number:  
000000019619

Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikadur®-53 (A)

#### Manufacturer or supplier's details

Company : Sika Australia Pty. Ltd.  
55 Elizabeth Street  
Wetherill Park, NSW 2164

Telephone : +61 2 9725 11 45

Emergency telephone number : +61 1800 033 111

Telefax : +61 2 9725 33 30

#### Recommended use of the chemical and restrictions on use

Product use : Cement / Mortar

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version  
3.1

Revision Date:  
30.10.2024

SDS Number:  
000000019619

Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

P261 Avoid breathing mist or vapours.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ )	25068-38-6	$\geq 10$ -< 25
Cement (chromium reduced)	65997-15-1	$\geq 3$ -< 10
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	$\geq 1$ -< 10
(1-methylethyl)-1,1'-biphenyl	25640-78-2	$\geq 0.25$ -< 2.5

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.  
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version 3.1	Revision Date: 30.10.2024	SDS Number: 000000019619	Date of last issue: 25.05.2024 Date of first issue: 09.08.2018
----------------	------------------------------	-----------------------------	---

---

- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : irritant effects  
sensitising effects  
Allergic reactions  
Excessive lachrymation  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.
- Notes to physician : Treat symptomatically.

---

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Hazchem Code : 2Z

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protection : Use personal protective equipment.

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version 3.1      Revision Date: 30.10.2024      SDS Number: 000000019619      Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

- tive equipment and emergency procedures      Deny access to unprotected persons.
- Environmental precautions      :      Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up      :      Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion      :      Normal measures for preventive fire protection.
- Advice on safe handling      :      Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products
- Hygiene measures      :      Handle in accordance with good industrial hygiene and safety practice.  
When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.
- Conditions for safe storage      :      Keep container tightly closed in a dry and well-ventilated place.  
Store in accordance with local regulations.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Cement (chromium reduced)	65997-15-1	TWA	10 mg/m <sup>3</sup>	AU OEL

**Appropriate engineering controls**      :      Use adequate ventilation and/or engineering controls to prevent exposure to vapours.

#### Personal protective equipment

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version 3.1	Revision Date: 30.10.2024	SDS Number: 000000019619	Date of last issue: 25.05.2024 Date of first issue: 09.08.2018
----------------	------------------------------	-----------------------------	---

- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
Follow AS/NZS 1337.1  
Recommended: Butyl rubber/nitrile rubber gloves.  
Contaminated gloves should be removed.
- Eye protection : Safety glasses
- Skin and body protection : Protective clothing (e.g. safety shoes, long-sleeved working clothing, long trousers)  
Follow AS 2210:3

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : paste
- Colour : green
- Odour : very faint
- Odour Threshold : No data available
- pH : ca. 7.6  
Concentration: 500 g/l 50 %
- Melting point/ range / Freezing point : No data available
- Boiling point/boiling range : No data available
- Flash point : > 101 °C (214 °F)  
(Method: closed cup)
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapour pressure : ca. 0.9 hPa (20 °C (68 °F))
- Relative vapour density : No data available

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version  
3.1

Revision Date:  
30.10.2024

SDS Number:  
000000019619

Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

---

Density	:	ca. 2.25 g/cm <sup>3</sup> (20 °C (68 °F))
Solubility(ies)	:	
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20.5 mm <sup>2</sup> /s ( 40 °C (104 °F))
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Volatile organic compounds	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 0% w/w

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	No data available
Incompatible materials	:	see section 7.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version  
3.1

Revision Date:  
30.10.2024

SDS Number:  
000000019619

Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

### Components:

**reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 20,000 mg/kg

### **(1-methylethyl)-1,1'-biphenyl:**

Acute oral toxicity : LD50 Oral (Rat): 4,650 mg/kg  
Method: OECD Test Guideline 401

### **Skin corrosion/irritation**

Causes skin irritation.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Chronic toxicity**

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

---

## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### Components:

**reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version  
3.1

Revision Date:  
30.10.2024

SDS Number:  
000000019619

Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 mg/l  
Exposure time: 48 h

### **(1-methylethyl)-1,1'-biphenyl:**

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 0.167 mg/l  
Exposure time: 48 h

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

#### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : Send to a licensed waste management company.

The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

Do not re-use empty containers.

---

## SECTION 14. TRANSPORT INFORMATION

### **International Regulations**

#### **IATA-DGR**

UN/ID No. : UN 3077

Proper shipping name : Environmentally hazardous substance, solid, n.o.s., Environmentally hazardous substance, solid, n.o.s.  
(epoxy resin)

Class : 9



# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version 3.1      Revision Date: 30.10.2024      SDS Number: 000000019619      Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

---

Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956  
Environmentally hazardous : yes  
Remarks : Transport in accordance with special regulation A 197

### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (epoxy resin)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes  
Remarks : Transport in accordance with 2.10.2.7 of the IMDG-Code

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### ADG

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (epoxy resin)  
Class : 9  
Packing group : III  
Labels : 9  
Hazchem Code : 2Z  
Environmentally hazardous : yes

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

---

## SECTION 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Therapeutic Goods (Poisons Standard) Instrument : Schedule 5

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors Prohibition/Licensing Requirements : chromium (III) oxide  
Refer to model WHS Act and Regu-

# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version 3.1	Revision Date: 30.10.2024	SDS Number: 000000019619	Date of last issue: 25.05.2024 Date of first issue: 09.08.2018
----------------	------------------------------	-----------------------------	---

lations for prohibition, authorisation and restricted use.

### The components of this product are reported in the following inventories:

AIIIC : On the inventory, or in compliance with the inventory

## SECTION 16. OTHER INFORMATION

Revision Date : 30.10.2024  
Date format : dd.mm.yyyy

### Full text of other abbreviations

AU OEL : Australia. Workplace Exposure Standards for Airborne Contaminants.  
AU OEL / TWA : Exposure standard - time weighted average  
ADG : Australian Dangerous Goods Code.  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service  
DNEL : Derived no-effect level  
EC50 : Half maximal effective concentration  
GHS : Globally Harmonized System  
IATA : International Air Transport Association  
IMDG : International Maritime Code for Dangerous Goods  
LD50 : Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)  
LC50 : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)  
MARPOL : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978  
OEL : Occupational Exposure Limit  
PBT : Persistent, bioaccumulative and toxic  
PNEC : Predicted no effect concentration  
REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency  
SVHC : Substances of Very High Concern  
vPvB : Very persistent and very bioaccumulative

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

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 product data sheet prior to any use and processing.



# SAFETY DATA SHEET

## Sikadur®-53 (A)



Version  
3.1

Revision Date:  
30.10.2024

SDS Number:  
000000019619

Date of last issue: 25.05.2024  
Date of first issue: 09.08.2018

---

|| Changes as compared to previous version !

AU / EN