# Sikadur 31/41 Part A

Version 1.0 SDS Number: 100000006826 Revision Date: 24.04.2017

## **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Sikadur 31/41 Part A

Product code : 100000006826

Type of product : liquid

Recommended use of the chemical and restrictions on use

Product use : Adhesive

Manufacturer or supplier's details

Company : Sika Australia Pty. Ltd.

55 Elizabeth Street Wetherill Park, NSW 2164

Telephone : +61 2 9725 11 45

Telefax : +61 2 9725 33 30

E-mail address : EHS@au.sika.com

Emergency telephone num- :

ber

: +61 1800 033 111

## **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2A

Skin sensitisation : Category 1

Acute aquatic toxicity : Category 3

Chronic aquatic toxicity : Category 2

**GHS** label elements

Hazard pictograms





Signal word : Warning

Hazard statements : H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements : **Prevention:** 

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

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 soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical ad-

vice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ at-

tention.

P362 Take off contaminated clothing and wash 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

## **Hazardous components**

Chemical name	CAS-No.	Concentration (%)
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700)	25068-38-6	>= 10 - < 30
oxirane, mono[(C12-14-alkyloxy)methyl]derivs	68609-97-2	0 -< 10
(1-methylethyl)-1,1'-biphenyl	25640-78-2	0 - < 10

#### **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.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

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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 irritation.

Notes to physician : Treat symptomatically.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances 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 prod-

ucts

: No hazardous combustion products are known

Specific extinguishing meth-

ods

: 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.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec-

tive equipment and emer-

gency procedures

: Use personal protective equipment.

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**

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Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

Advice on safe handling

: Do not breathe vapours or spray mist.

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 ap-

plication 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

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Respiratory protection

: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum to the respirator must be suitable.

imum expected contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-

contained breathing apparatus must be used.

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard should be worn at all times when handling chemical products if a risk assessment indicates this is nec-

essary.

Eye protection : Safety eyewear complying with an approved standard should

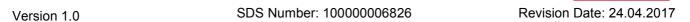
be used when a risk assessment indicates this is necessary.

Skin and body protection : Choose body protection in relation to its type, to the concen-

tration and amount of dangerous substances, and to the spe-

cific work-place.

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#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : paste

Colour : grey

Odour : characteristic

Odour Threshold : No data available

pH : No data available

Melting point/range / Freezing

point

: No data available

Boiling point/boiling range : No data available

Flash point :  $> 101 \,^{\circ}\text{C} \, (> 214 \,^{\circ}\text{F})$ 

Method: closed cup

Evaporation rate : No data available

Flammability : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : 0.001 hPa (0.001 mmHg)

Relative vapour density : No data available

Density : ca. 1.94 g/cm3 (20 °C (68 °F) ())

Solubility(ies)

Water solubility : No data available

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 mm2/s (40 °C)

Explosive properties : No data available

Molecular weight : No data available

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#### **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 reac-

tions

: Stable under recommended storage conditions.

Conditions to avoid : No data available

Incompatible materials : No data available

No decomposition if stored and applied as directed.

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

Not classified based on available information.

## Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecu-

lar weight <= 700):

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

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

#### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

Causes serious eye irritation.

## 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.

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#### **SECTION 12. ECOLOGICAL INFORMATION**

## **Ecotoxicity**

Components:

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecu-

lar weight <= 700):

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

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 infor-

mation

: 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 : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

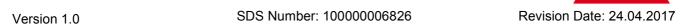
### **SECTION 14. TRANSPORT INFORMATION**

## **International Regulations**

**IATA-DGR** 

UN/ID No. : UN 3077

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Proper shipping name : Environmentally hazardous substance, solid, n.o.s.

(epoxy resin)

Class : 9
Packing group : III
Labels : 9
Packing instruction (cargo : 956

aircraft)

Packing instruction (passen- : 9

ger aircraft)

: 956

**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

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

**SECTION 15. REGULATORY INFORMATION** 

Safety, health and environmental regulations/legislation specific for the substance or mix-

ture

Standard for the Uniform

Scheduling of Medicines and

Poisons

Schedule 5

International Chemical Weapons Convention (CWC)

Schedules of Toxic Chemicals and Precursors

Not applicable

Prohibition/Licensing Requirements : Quartz (SiO2)

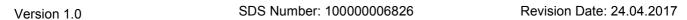
Refer to model WHS Act and Regulations for prohibition, authorisation

and restricted use.

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

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

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## **SECTION 16. OTHER INFORMATION**

Date format : dd.mm.yyyy

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: 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.