

# Safety Data Sheet

according to 91/155/EEC and ISO 11014-1

(see instructions in Annex to 93/112/EC)

Date of printing: 20.06.2003

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Revised: 20.06.2003

SDS No.: 096C

HAZARDOUS ACCORDING THE CRITERIA OF WORKSAFE AUSTRALIA

## 1. Identification of the substance/preparation and company

Product

Product name

**SikaTop®-110 EpoCem® Part A**

Manufacturer/supplier information

Manufacturer/supplier:

Sika Australia Pty Ltd

Street/postbox:

55 Elizabeth Street

Town/City and Post Code:

WETHERILL PARK N.S.W.

Country:

Australia

Phone:

(02) 9725 1145

Telefax:

(02) 9725 3330

Emergency information phone:

1 800 333 011

## 2. Composition/information on ingredients

Chemical characterization

Waterthinnable, modified epoxy resin

Hazardous ingredients

Designation according to 67/548/EEC

CAS No. Concentration Danger symbols R phrases

- reaction product: bisphenol A-(epichlorhydrin)  
epoxy resin (number average molecular weight  $\leq$  700)  
25068-38-6 30 - 60 % Xi,N 36/38,43,51/53
- reaction product: bisphenol A-(epichlorhydrin)  
epoxy resin (number average molecular weight  $\leq$  700)  
9003-36-5 10 - 30 % Xi,N 36/38,43,51/53
- oxirane, mono[(C12-14-alkyloxy)methyl]derivs.  
68609-97-2 1 - 10 % Xi 38,43
- Non-hazardous ingredients  
to 100 %

## 3. Hazards identification

Hazards identification

Xi Irritant

Information on hazards to man and to the environment

36/38 Irritating to eyes and skin.  
43 May cause sensitization by skin contact.  
51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

## 4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

#### 4. First-aid measures (continued)

After inhalation

Ensure supply of fresh air.  
Take medical treatment.

After skin contact

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

#### 5. Fire-fighting measures

Suitable extinguishing media

foam  
dry powder  
carbon dioxide  
water mist

Unsuitable extinguishing media for safety reasons

Full water jet

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

In the event of fire the following can be released:  
Carbon monoxide (CO)  
Carbondioxide (CO<sub>2</sub>)

Special protective equipment for fire-fighting

Use breathing apparatus.

Additional information

Cool containers with water spray jet.  
Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.

#### 6. Accidental release measures

Personal precautions

Ensure adequate ventilation.  
Use personal protective clothing.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

## 6. Accidental release measures (continued)

### Environmental precautions

In case of entry into waterways, soil or drains,  
inform the responsible authorities.

### Procedures for cleaning up

Pick up with absorbent material.

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.

Instructions for fire and explosion protection

Keep away from sources of ignition - no smoking.

### Storage

Requirements for storage rooms and containers

Keep out of reach of children.

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

Combined storage instructions

Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

Protect from heat and direct sunlight

## 8. Exposure controls/personal protection

### Personal protective equipment

General protective and hygiene measures

Do not inhale vapours.

Avoid contact with eyes and skin.

Take care for sufficient ventilation or exhaust on the workshop place.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately.

### Respiratory protection

In case of insufficient ventilation.

Ori-nasal mask suitable for organic vapours.

If sanding dry product, wear dust protection mask fitted with class P (particulate) respirator, or class A fitted with class P pre-filter.

### Hand protection

Nitrile rubber gloves.

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#### 8. Exposure controls/personal protection (continued)

Eye protection  
Tightly fitting safety glasses.

Body protection  
protective clothing.

#### 9. Physical and chemical properties

##### Appearance

Physical state: liquid  
Colour: yellowish  
Odour: odourless

##### Data relevant to safety

	Method
Boiling point	> 100 °C
Flash point	> 101 °C
Density at 20°C	~ 1.05 g/cm <sup>3</sup>
Solubility in water at 20°C	miscible
pH value at 20°C	~ 8
Viscosity at 20°C	~ 250 mPas

#### 10. Stability and reactivity

##### Conditions to avoid

Not any known.

##### Materials to avoid/dangerous reactions

Hazardous reactions possible with:  
Amines  
Phenols  
Acids  
Alkalis

##### Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

#### 11. Toxicological information

##### Sensitization

When skin contact:

Sensitization/allergic reaction possible.

Allergic reaction can may be observed in sensitised persons, even on very low concentrations.

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#### 11. Toxicological information (continued)

##### Experience on humans

When skin contact:

Irritation.

When eyes contact:

Irritation.

When inhalation:

Irritation.

When swallowed:

Small amount may cause considerable health disorders.

#### 12. Ecological information

##### Additional information

Product is water polluting.

Do not allow to enter waste water drain, waterways or soil.

From current information concerning hazardous substances, environmental effects cannot be claimed at this time.

#### 13. Disposal considerations

##### Product

##### Recommendations

Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.

##### Packaging

##### Recommendations

Completely emptied packagings can be given for recycling.

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

#### 14. Transport information

##### ADG/ADR/RID

UN No.: N/A Class: N/A Cipher: 11c) Packing group: N/A

Proper shipping name

N/A

Label No.: 9

##### IMO/IMDG

UN No.: 3082 Class: 9 Page: 9028 Packing group: III

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s.

contains: Epoxy resin

Label No.: 9

##### IATA/ICAO

Further information

No dangerous goods.

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### 15. Regulatory information

Labelling according to 88/379/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Relevant hazardous ingredients for labelling

Contains: Epoxy Resin > 50 %

Danger symbols

Xi Irritant

R phrases

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S phrases

24 Avoid contact with skin.

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

37/39 Wear suitable gloves and eye/face protection.

51 Use only in well-ventilated areas.

Special labelling for certain preparations (Annex III to 88/379/EEC)

Contains epoxy-containing compounds.

Observe manufacturer's instructions.

National regulations

Toxicity class 4 SFOPH T No.: 615084

Water hazardous class (WGK)

WGK 2 ( self-classification )

Brandklasse (CH)

4

Schedule 5 SUSDP (Aus)

Abfallcode und Abfallbezeichnung (CH)

DISPOSE AS SPECIAL WASTE: PAINT HAVING AN AQUEOUS PHASE

(BASIS EPOXY RESIN).

### 16. Other information

asterisk (\*) on left margin marks modification of previous version

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.

**Safety Data Sheet**  
according to 91/155/EEC and ISO 11014-1  
(see instructions in Annex to 93/112/EC)

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HAZARDOUS ACCORDING THE CRITERIA OF WORKSAFE AUSTRALIA

**1. Identification of the substance/preparation and company**

Product

Product name

**SikaTop®-110 EpoCem® Part B**

Manufacturer/supplier information

Manufacturer/supplier:

Sika Australia Pty Ltd

Street/postbox:

55 Elizabeth Street

Town/City and Post Code:

WETHERILL PARK N.S.W.

Country:

Australia

Phone:

(02) 9725 1145

Telefax:

(02) 9725 3330

Emergency information phone:

1 800 333 011 24 hours

**2. Composition/information on ingredients**

Chemical characterization

Waterthinnable, modified polyamine

Hazardous ingredients

Designation according to 67/548/EEC

CAS No.	Concentration	Danger symbols	R phrases
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· Aliphatic amine, modified			
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-	10 - 30 %	C	38,43
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· Dicyclohexylamine			
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101-83-7	1 - 10 %	Xi,N	36/38,50/53
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· Non-hazardous ingredients			
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	to 100 %		
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**3. Hazards identification**

Hazards identification

Xi,N                      Irritant

Information on hazards to man and to the environment

36/38                      Irritating to eyes and skin.

43                              May cause sensitization by skin contact.

50/53                      Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**4. First-aid measures**

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

In the event of symptoms take medical treatment.

#### 4. First-aid measures (continued)

##### 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.

#### 5. Fire-fighting measures

##### Suitable extinguishing media

foam  
dry powder  
carbon dioxide  
water mist

##### Unsuitable extinguishing media for safety reasons

Full water jet

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

In the event of fire the following can be released:

Ammonia (NH<sub>3</sub>)  
Carbon monoxide (CO)  
Carbondioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

##### Special protective equipment for fire-fighting

Use breathing apparatus.

##### Additional information

Product of itself does not burn.  
extinguishing measures to suit surroundings  
Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.

#### 6. Accidental release measures

##### Personal precautions

Ensure adequate ventilation.  
Use personal protective clothing.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

##### Environmental precautions

In case of entry into waterways, soil or drains,  
inform the responsible authorities.

6. Accidental release measures (continued)

Procedures for cleaning up

Pick up with absorbent material.

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

Remove residues with water.

**7. Handling and storage**

Handling

Instructions for safe handling

See chapter 8 / Personal protective equipment.

Instructions for fire and explosion protection

Keep away from sources of ignition - no smoking.

Storage

Requirements for storage rooms and containers

Keep out of reach of children.

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

Combined storage instructions

Keep away from food, beverages and animal feedstocks.

**8. Exposure controls/personal protection**

Personal protective equipment

General protective and hygiene measures

Do not inhale vapours.

Take care for sufficient ventilation or exhaust on the workshop place.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately.

Respiratory protection

In case of insufficient ventilation

Ori-nasal mask suitable for organic vapours (class A).

If sanding dry product, wear dust protection mask fitted with class P (particulate) respirator, or class A fitted with class P pre-filter.

Hand protection

Rubber gloves

Eye protection

Safety glasses/face shield

Body protection

protective clothing

**9. Physical and chemical properties**

Appearance

Physical state: liquid  
Colour: straw coloured  
Odour: amine-like

Data relevant to safety

Method

Flash point	72 °C	DIN 51758
Auto-ignition temperature	not determined	
Lower explosion limit	not determined	
Upper explosion limit	not determined	
Density at 20°C	~ 1.03 g/cm <sup>3</sup>	
Solubility in water at 20°C	miscible	
pH value at 20°C	~ 11	
Viscosity at 20°C	approx. 120 mPas	

**10. Stability and reactivity**

Conditions to avoid

Not any known.

Materials to avoid/dangerous reactions

Hazardous reactions possible with:

Oxidizers  
Acids  
Epoxides

Thermal decomposition and hazardous decomposition products

Thermal decomposition at:

> 300°C

Hazardous decomposition products:

CO<sub>x</sub>, NO<sub>x</sub>, Ammonia, amines

**11. Toxicological information**

Sensitization

When skin contact:

Sensitization/allergic reaction possible.

Allergic reaction can may be observeed in sensitised persons, even on very low concentrations.

Experience on humans

When skin contact:

May cause irritation.

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#### 11. Toxicological information (continued)

When eyes contact:

Severe irritation.

When inhalation:

Irritation.

When swallowed:

Small amounts may cause considerable health disorders including nausea, vomiting, abdominal pain and diarrhoea.

#### 12. Ecological information

Additional information

Product is water polluting.

Due to the high pH, aquatic organisms may be harmed.

Do not allow to enter waste water drain, waterways or soil.

Once cured, the product will unlikely have any adverse effect on the environment.

#### 13. Disposal considerations

Product

Recommendations

Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.

See chapter 15, national regulations.

Packaging

Recommendations

Completely emptied packagings can be given for recycling.

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

#### 14. Transport information

ADG/ADR/RID

Further information

No dangerous goods.

IMO/IMDG

Further information

No dangerous goods.

IATA/ICAO

Further information

No dangerous goods.

### 15. Regulatory information

Labelling according to 88/379/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Relevant hazardous ingredients for labelling

Contains: Aliphatic Amines > 20 %

Danger symbols

Xi Irritant

R phrases

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

S Phrases

22/23 Do not breath dust / vapour / spray / fumes.

24 Avoid contact with skin.

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

37/39 Wear suitable gloves and eye/face protection.

National regulations

Toxicity class free SFOPH T No.: 617900

Water hazardous class (WGK)

WGK 2 ( self-classification )

Brandklasse (CH)

3

Schedule 5 SUSDP (Aus)

Abfallcode und Abfallbezeichnung (CH)

DISPOSE AS SPECIAL WASTE: PAINT HAVING AN AQUEOUS PHASE (BASIS AMINE).

### 16. Other information

asterisk (\*) on left margin marks modification of previous version

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.

# Safety Data Sheet

according to 91/155/EEC and ISO 11014-1

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SDS No.: 151

HAZARDOUS ACCORDING THE CRITERIA OF WORKSAFE AUSTRALIA

## 1. Identification of the substance/preparation and company

Product

Product name

**SikaTop®-110 EpoCem® Part C**

Manufacturer/supplier information

Manufacturer/supplier:

SIKA Australia Pty Ltd

Street/postbox:

55 Elizabeth Street

Town/City and Post Code:

WETHERILL PARK N.S.W

Country:

Australia

Phone:

(02) 9725 1145

Telefax:

(02) 9725 3330

Emergency information phone:

1800 333 011 (Aus) 24 hours

## 2. Composition/information on ingredients

Chemical characterization

Mixture of cements, aggregates and additives

Hazardous ingredients

Designation according to 67/548/EEC

CAS No.

Concentration

Danger symbols R phrases

• Cement

65997-15-1

30 - 60 %

Xi

41,36/37/38

• Quartz (SiO<sub>2</sub>)

14808-60-7

30 - 60 %

20/48

• Non-hazardous ingredients

to 100 %

## 3. Hazards identification

Hazards identification

Xi

Irritant

Information on hazards to man and to the environment

20/48

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

36/37/38

Irritating to eyes, respiratory system and skin.

41

Risk of serious damage to eyes.

## 4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

In case of irritation when dust is inhaled, provide for plenty of fresh air.

In the event of symptoms take medical treatment.

#### 4. First-aid measures (continued)

##### After skin contact

In case of contact with skin wash off immediately with soap and water.  
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.

#### 5. Fire-fighting measures

##### Suitable extinguishing media

water  
foam  
dry powder

##### Unsuitable extinguishing media for safety reasons

Not applicable.

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

Carbon monoxide (CO)  
Carbondioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

##### Special protective equipment for fire-fighting

Use breathing apparatus.

##### Additional information

Product of itself does not burn.  
extinguishing measures to suit surroundings  
Fire residues and contaminated firefighting medium must be disposed  
of in accordance with the local regulations.

#### 6. Accidental release measures

##### Personal precautions

Avoid dust formation.  
Use breathing apparatus if exposed to vapours/dust/aerosol.  
Use personal protective clothing.

##### Environmental precautions

In case of entry into waterways, soil or drains,  
inform the responsible authorities.

6. Accidental release measures (continued)

Procedures for cleaning up

Pick up mechanically

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

**7. Handling and storage**

Handling

Instructions for safe handling

See chapter 8 / Personal protective equipment.

Avoid dust formation.

Use only in well ventilated areas.

Instructions for fire and explosion protection

Not applicable.

Storage

Requirements for storage rooms and containers

Keep sacks tightly closed and dry, in a weather-proof place

Combined storage instructions

Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

Protect from atmospheric moisture and water

**8. Exposure controls/personal protection**

Substances having workplace related exposure values/limits which may require monitoring for assessment purposes

Designation of substance

CAS No.	Type		Ref./Country/Year
· Cement			
65997-15-1	MAK e	5 mg/m3	CNA, MAK/CH/1997
· Quartz (SiO <sub>2</sub> )			
14808-60-7	MAK a	0.15 mg/m3	CNA, MAK/CH/1997

Personal protective equipment

General protective and hygiene measures

Do not inhale dust

Take care for sufficient ventilation or exhaust on the workshop place.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Use barrier skin cream.

Respiratory protection

Dust protection mask fitted with class P (particulate) respirator, or

Type A (organic vapour) respirator fitted with class P pre-filter.

**8. Exposure controls/personal protection (continued)**

Hand protection  
Nitrile rubber gloves

Eye protection  
Safety glasses/face shield

Body protection  
Working clothes

**9. Physical and chemical properties**

## Appearance

Physical state: Powder  
Colour: grey  
Odour: odourless

## Data relevant to safety

Flash point not applicable

## Method

Auto-ignition temperature not applicable

Vapour pressure at 20°C not applicable

Loose bulk density ~ 1.2 g/cm<sup>3</sup> DIN 53468

Solubility in water at 20°C ~ 3 %

pH value at 20°C > 11

Viscosity at 20°C not applicable

**10. Stability and reactivity**

## Materials to avoid/dangerous reactions

Hazardous reactions possible with:  
Acids

## Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

**11. Toxicological information**

## Sensitization

When skin contact:

Sensitization/allergic reaction possible due to traces quantities of hexavalent chromium present.

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#### 11. Toxicological information (continued)

##### Experience on humans

When skin contact:

May cause irritation and alkali burns to skin.

When eyes contact:

Severe irritation.

May cause irreversible damage to eyes.

When inhalation:

Irritation.

When swallowed:

Small amount may cause considerable health disorders.

May cause alkali burns to gastrointestinal tract.

#### 12. Ecological information

##### Additional information

Due to the high pH, aquatic organisms may be harmed.

Do not allow to enter waste water drain, waterways or soil.

Once cured, the product will unlikely have any adverse effect on the environment.

#### 13. Disposal considerations

##### Product

##### Recommendations

Sweep up excess and mix with a limited amount of water to produce a slightly flowable mortar. Allow to set for 24 hours.

Dispose of in accordance with local authority regulations.

##### Packaging

##### Recommendations

Completely emptied packagings can be given for recycling.

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

#### 14. Transport information

##### ADG/ADR/RID

##### Further information

No dangerous goods.

##### IMO/IMDG

##### Further information

No dangerous goods.

Product name: **SikaTop®-Armatec® 110 EpoCem® Part C**

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14. Transport information (continued)

IATA/ICAO

Further information

No dangerous goods.

**15. Regulatory information**

Labelling according to EEC Directive

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Danger symbols

Xi Irritant

R phrases

20/48 Danger: danger of serious damage to health by prolonged exposure through inhalation.

36/37/38 Irritating to eyes, respiratory system and skin.

41 Risk of serious damage to eyes.

S phrases

22 Do not breathe dust.

24 Avoid contact with skin.

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

37/39 Wear suitable gloves and eye/face protection.

National regulations

Toxicity law (CH)

Toxicity class free SFOPH T No.: 611500

Water hazardous class (WGK)

WGK 1

Brandklasse (CH)

5

None assigned SUSDP (Aus)

**16. Other information**

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