

# SAFETY DATA SHEET

## Sika® ConcreteFix Part B



Version  
3.0

Revision Date:  
10.05.2022

SDS Number:  
000000029931

Date of last issue: 11.07.2019  
Date of first issue: 13.08.2018

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sika® ConcreteFix Part B

Product code : 000000029931

#### 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

Emergency telephone number : +61 1800 033 111

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

Product use : Adhesive, Product is not intended for consumer use

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin corrosion/irritation : Category 1B

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Carcinogenicity (Inhalation) : Category 1A

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H350 May cause cancer by inhalation.  
H410 Very toxic to aquatic life with long lasting effects.

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### Precautionary statements

:

#### Prevention:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
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/ protective clothing/ eye protection/ face protection.  
P281 Use personal protective equipment as required.

#### Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.  
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 or doctor/ physician.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.

#### Storage:

P405 Store locked up.

#### 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) |
|--|-----------|-----------------------|
| benzyl alcohol                               | 100-51-6  | 0 -< 10               |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | 2855-13-2 | >= 3 -< 5             |
| 3,6-diazaoctanethylenediamin                 | 112-24-3  | >= 3 -< 5             |

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|   |             |             |
|---|-------------|-------------|
| (1-methylethyl)-1,1'-biphenyl                               | 25640-78-2  | 0 -< 10     |
| Tall oil, reaction products with N-(2-aminoethyl)piperazine | 92062-17-4  | >= 1 -< 3   |
| polyaminoamide adduct                                       | 157707-73-8 | >= 1 -< 3   |
| 2,4,6-tris(dimethylaminomethyl)phenol                       | 90-72-2     | >= 1 -< 3   |
| Adduct IA (epoxy amine adduct)                              | 68609-08-5  | >= 1 -< 10  |
| Quartz (SiO <sub>2</sub> ) <5µm                             | 14808-60-7  | >= 0.1 -< 1 |

### 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.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- 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 induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Health injuries may be delayed.  
corrosive effects  
sensitising effects  
Allergic reactions  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause cancer by inhalation.  
Causes severe burns.
- Notes to physician : Treat symptomatically.

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### 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 : 2X

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency 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.

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### SECTION 7. HANDLING AND STORAGE

- 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 application area.

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- 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 : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
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  |
|---|------------|-------------------------------|--|--------|
| Quartz (SiO <sub>2</sub> ) <5µm   | 14808-60-7 | TWA (Respirable dust)         | 0.05 mg/m <sup>3</sup>                         | AU OEL |
| Further information: Category 1A (Carc. 1A) Known to have carcinogenic potential for humans |            |                               |  |        |

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

#### Personal protective equipment

- 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 goggles  
Wear suitable face shield.
- Skin and body protection : Protective clothing (e.g. safety shoes, long-sleeved working clothing, long trousers)  
Follow AS 2210:3  
Rubber aprons

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |   |
|--|---|---|
| Appearance                                       | : | paste                                       |
| Colour   | : | grey  |
| Odour  | : | amine-like                                  |
| Odour Threshold                                  | : | No data available                           |
| pH   | : | ca. 11<br>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)<br>(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                                  | : | > 10 hPa                                    |
| Relative vapour density                          | : | No data available                           |
| Density  | : | ca. 1.25 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                           |

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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: 9.25% w/w

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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 reactions : Stable under recommended storage conditions.

Conditions to avoid : No data available

Incompatible materials : see section 7.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Components:

##### **benzyl alcohol:**

Acute oral toxicity : LD50 Oral (Rat): 1,620 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

##### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Acute oral toxicity : LD50 Oral (Rat): 1,030 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 10 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 - 5,000 mg/kg

##### **3,6-diazaoctanethylenediamin:**

Acute oral toxicity : LD50 Oral (Rat): 1,716 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 1,465 mg/kg

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

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

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### **2,4,6-tris(dimethylaminomethyl)phenol:**

Acute oral toxicity : LD50 Oral (Rat): 2,169 mg/kg

### **Adduct IA (epoxy amine adduct):**

Acute oral toxicity : LD50 Oral (Rat, female): 300 - 2,000 mg/kg  
Method: OECD Test Guideline 423

### **Skin corrosion/irritation**

Causes severe burns.

### **Components:**

#### **2,4,6-tris(dimethylaminomethyl)phenol:**

Species : Rabbit  
Assessment : Corrosive  
Method : OECD Test Guideline 404

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

Causes serious eye damage.

### **Components:**

#### **2,4,6-tris(dimethylaminomethyl)phenol:**

Species : Rabbit  
Assessment : 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**

May cause cancer by inhalation.

#### **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:

##### **benzyl alcohol:**

Toxicity to fish : LC50 (Fish): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

##### **3-aminomethyl-3,5,5-trimethylcyclohexylamine:**

Toxicity to algae/aquatic : ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100  
plants mg/l  
Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 1.5 mg/l  
Exposure time: 72 h

##### **3,6-diazaoctanethylenediamin:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 10 - 100 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): 10 -  
plants 100 mg/l  
Exposure time: 72 h

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

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

##### **Tall oil, reaction products with N-(2-aminoethyl)piperazine:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 0.1 - 1 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.01  
plants - 0.1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): > 0.01  
- 0.1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic tox- : 10  
icity)

M-Factor (Chronic aquatic : 1

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toxicity)

### **2,4,6-tris(dimethylaminomethyl)phenol:**

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): > 10 - 100 mg/l  
Exposure time: 72 h

### **Adduct IA (epoxy amine adduct):**

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): 3.13 mg/l  
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : LC50 (Danio rerio (zebra fish)): 1.62 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia magna (Water flea)): 1.75 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.  
Very toxic to aquatic life with long lasting effects.

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## 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 chemical 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.

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 1760  
Proper shipping name : Corrosive liquid, n.o.s.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, (1-methylethyl)-1,1'-biphenyl)  
Class : 8  
Packing group : II  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 855  
Packing instruction (passenger aircraft) : 851

##### IMDG-Code

UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, (1-methylethyl)-1,1'-biphenyl)  
Class : 8  
Packing group : II  
Labels : 8  
EmS Code : F-A, S-B  
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 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, (1-methylethyl)-1,1'-biphenyl)  
Class : 8  
Packing group : II  
Labels : 8  
Hazchem Code : 2X

#### 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.

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### SECTION 15. REGULATORY INFORMATION

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

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Standard for the Uniform Scheduling of Medicines and Poisons : Schedule 5

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors Prohibition/Licensing Requirements : Not applicable  
: There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

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

AIIC : All components are listed on the inventory, regulatory obligations/restrictions apply

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### SECTION 16. OTHER INFORMATION

Revision Date : 10.05.2022  
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#### 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 dose (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

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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.

|| Changes as compared to previous version !

AU / EN