

# SAFETY DATA SHEET

## Sikafloor-91/94 Part B



Version  
3.0

Revision Date:  
2023/02/07

SDS Number:  
100000008657

Date of last issue: 2021/01/25  
Date of first issue: 2017/08/21

### Section 1: Identification

Product name : Sikafloor-91/94 Part B

#### Manufacturer or supplier's details

Company : Sika (NZ) Ltd.  
85-91 Patiki Road  
Avondale  
Auckland AKL 1026

Telephone : +64 9 820 2900

Emergency telephone number : 0800 734 607

E-mail address : info@nz.sika.com

Telefax : +64 9 828 4091

### Section 2: Hazard identification

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### 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	>= 30 -< 50
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	>= 10 -< 20
3,6-diazaoctanethylenediamin	112-24-3	>= 10 -< 20
bis(isopropyl)naphthalene	38640-62-9	>= 10 -< 20
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 -< 10
Adduct IA (epoxy amine adduct)	68609-08-5	>= 2.5 -< 10
bis[(dimethylamino)methyl]phenol	71074-89-0	>= 1 -< 10
2-(2-aminoethylamino)ethanol	111-41-1	>= 0.1 -< 1
2-piperazin-1-ylethylamine	140-31-8	>= 0.1 -< 0.25
3,6,9-triazaundecamethylenediamine	112-57-2	>= 0.1 -< 0.25

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### Section 4: First-aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.  
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.
- Most important symptoms and effects, both acute and delayed : No known significant effects or hazards.  
See Section 11 for more detailed information on health effects and symptoms.
- Notes to physician : Treat symptomatically.
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### Section 5: Fire-fighting measures

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- 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 : For personal protection see section 8.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
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 : For personal protection see section 8.  
No special handling advice required.  
Follow standard hygiene measures when handling chemical products
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Store in accordance with local regulations.
- Materials to avoid : No special restrictions on storage with other products.
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### 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 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 approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- 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 concentration and amount of dangerous substances, and to the specific work-place.
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### Section 9: Physical and chemical properties

- Appearance : liquid
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---

Colour : yellow

Odour : amine-like

Odour Threshold : No data available

pH : > 11 (20 °C (68 °F))

Melting point/range / Freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 140 °C (> 284 °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 : No data available

Relative vapour density : No data available

Density : ca. 1.01 g/cm<sup>3</sup> (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 : ca. 45 mPa.s (20 °C (68 °F))

    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 (VOC) content : 374.7 g/l

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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	:	No hazards to be specially mentioned.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available

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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

##### **bis(isopropyl)naphthalene:**

Acute oral toxicity : LD50 Oral (Rat): > 3,900 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.64 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rat): > 4,500 mg/kg

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

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

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

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

### **2-piperazin-1-ylethylamine:**

Acute oral toxicity : LD50 Oral (Rat): 2,097 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): ca. 866 mg/kg

### **3,6,9-triazaundecamethylenediamine:**

Acute oral toxicity : LD50 Oral (Rat): 1,716.2 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): 1,260 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

### **Components:**

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

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

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

Not classified based on available information.

### **Components:**

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

Species : Rabbit  
Assessment : Causes serious eye damage.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **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.

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### 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:

##### **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

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

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

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

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

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

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1.75 mg/l

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aquatic invertebrates (Chronic toxicity)  
**2-piperazin-1-ylethylamine:**  
Toxicity to fish : LC50 (Fish): > 100 mg/l  
Exposure time: 48 h  
Exposure time: 96 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.

## Section 13: Disposal considerations

### Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 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, Amines, polyethylenepoly-, triethylenetetramine fraction)  
Class : 8  
Packing group : III  
Labels : Corrosive  
Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852

#### IMDG-Code

UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, Amines, polyethylenepoly-, triethylenetetramine fraction)  
Class : 8  
Packing group : III



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Labels : 8  
EmS Code : F-A, S-B  
Marine pollutant : no

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

Not applicable for product as supplied.

### National Regulations

#### NZS 5433

UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(3-aminomethyl-3,5,5-trimethylcyclohexylamine, Amines, polyethylenepoly-, triethylenetetramine fraction)  
Class : 8  
Packing group : III  
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

International Chemical Weapons Convention (CWC) : Not applicable  
Schedules of Toxic Chemicals and Precursors

### HSW Controls

Certified handler certificate not required.  
Tracking hazardous substance not required.  
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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

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

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## Section 16: Other information

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Date format : dd.mm.yyyy

### Full text of other abbreviations

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

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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
vPvB	:	Very persistent and very bioaccumulative

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 !

NZ / EN