

# SAFETY DATA SHEET

## Sikafloor 20/21/24/29/31 Purcem Part B



Version 1.0

SDS Number: 000000612902

Revision Date: 2018/10/02

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikafloor 20/21/24/29/31 Purcem Part B  
Product code : 000000612902  
Type of product : liquid

#### 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  
Telefax : +64 9 828 4091  
E-mail address : info@nz.sika.com

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

6.1 Acute toxicity (Inhalation) : Category D  
6.3 Skin irritation : Category A  
6.4 Eye irritation : Category A  
6.5 Respiratory sensitisation : Category A  
6.5 Skin sensitisation : Category B  
6.7 Carcinogenicity : Category B  
6.9 Specific Target Organ Toxicity (Inhalation) : Category A  
6.9 Specific Target Organ Toxicity (Inhalation) : Category B

#### GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H351 Suspected of causing cancer.

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H370 Causes damage to organs if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

**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

**Hazardous components**

| Chemical name  | CAS-No.   | Concentration (%) |
|--|-----------|-------------------|
| 4,4'-methylenediphenyl diisocyanate                  | 101-68-8  | >= 30 - < 50      |
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9 | >= 30 - < 50      |
| o-(p-isocyanatobenzyl)phenyl isocyanate              | 5873-54-1 | >= 10 - < 20      |

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

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- 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.
- 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  
Asthmatic appearance  
Cough  
Respiratory disorder  
Allergic reactions  
Excessive lachrymation  
Headache  
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.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Suspected of causing cancer.  
Causes damage to organs if inhaled.  
May cause damage to organs through prolonged or repeated exposure if inhaled.
- 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.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

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for firefighters

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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 : Avoid formation of aerosol.  
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.  
Provide sufficient air exchange and/or exhaust in work rooms.  
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 in a well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

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| Components   | CAS-No.   | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis  |
|--|---|----------------------------------|--|--------|
| 4,4'-methylenediphenyl diisocyanate                  | 101-68-8  | WES-TWA                          | 0.02 mg/m <sup>3</sup><br>(NCO)                | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
|  |   | WES-STEL                         | 0.07 mg/m <sup>3</sup><br>(NCO)                | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
|  |   | TWA                              | 0.005 ppm                                      | ACGIH  |
| Diphenylmethanediisocyanate, isomeres and homologues | 9016-87-9   | WES-TWA                          | 0.02 mg/m <sup>3</sup><br>(NCO)                | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
|  |   | WES-STEL                         | 0.07 mg/m <sup>3</sup><br>(NCO)                | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
| o-(p-isocyanatobenzyl)phenyl isocyanate              | 5873-54-1   | WES-TWA                          | 0.02 mg/m <sup>3</sup><br>(As -NCO)            | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
|  |   | WES-STEL                         | 0.07 mg/m <sup>3</sup><br>(As -NCO)            | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
|  |   | WES-TWA                          | 0.02 mg/m <sup>3</sup><br>(NCO)                | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |
|  |   | WES-STEL                         | 0.07 mg/m <sup>3</sup><br>(NCO)                | NZ OEL |
|  | Further information: Sensitiser, These values apply to all isocyanates, including prepolymers, present in the workplace air as vapours, mist or dust. |                                  |  |        |

### 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 ap-

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proved 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                                       |
| Colour                                 | : brown  |
| 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                            | : > 93.3 °C (> 199.9 °F)<br>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                        | : No data available                            |
| Relative vapour density                | : No data available                            |
| Density                                | : 1.2 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                            |

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|                           |   |                                |
|---------------------------|---|--------------------------------|
| Auto-ignition temperature | : | No data available              |
| Decomposition temperature | : | No data available              |
| Viscosity                 | : |                                |
| Viscosity, dynamic        | : | No data available              |
| Viscosity, kinematic      | : | > 7 mm <sup>2</sup> /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 reactions | : | Stable under recommended storage conditions.                |
| Conditions to avoid                | : | No data available   |
| Incompatible materials             | : | No data available   |
| Hazardous decomposition products   | : | No decomposition if stored and applied as directed.         |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if inhaled.

#### Components:

##### **4,4'-methylenediphenyl diisocyanate:**

Acute inhalation toxicity : Acute toxicity estimate: 1.5 mg/l  
Test atmosphere: dust/mist  
Method: Expert judgement

##### **Diphenylmethanediisocyanate, isomers and homologues:**

Acute oral toxicity : LD50 Oral (Rat): > 10,000 mg/kg

Acute inhalation toxicity : Acute toxicity estimate: 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgement  
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 Dermal (Rabbit): > 9,400 mg/kg

#### **Skin corrosion/irritation**

Causes skin irritation.

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### Serious eye damage/eye irritation

Causes serious eye irritation.

### Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Chronic toxicity

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Suspected of causing cancer.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Causes damage to organs if inhaled.

#### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

#### Aspiration toxicity

Not classified based on available information.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 1,640 mg/l  
Exposure time: 72 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 : There is no data available for this product.



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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

- Waste from residues : 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.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### 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

Not regulated as a dangerous good

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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

#### HSNO Approval Number

HSR002679

#### HSNO Controls

Certified handler certificate not required.  
HSNO tracking not required.  
Refer to EPA user guide to the HSNO control regulations 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

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.