

Safety Data Sheet

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

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

Date of printing: 27.02.2004

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Revised: 27.02.2004

SDS No.: 413

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

1. Identification of the substance/preparation and company

Product

Product name

Sikafloor-21 Purcem, Part A

Manufacturer/supplier information

Manufacturer/supplier:

Sika Australia Lty Limited

Street/postbox:

55 Elizabeth Street

Town/City and Post Code:

WETHERILL PARK NSW 2164

Country:

Australia

Phone:

(02) 9725 1145

Telefax:

(02) 9725 3330

General information:

Emergency information phone:

1800 033 111

2. Composition/information on ingredients

Chemical characterization

Modified polyester / polyether polyol

3. Hazards identification

See chapter 11 and 12

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.

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.

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5. Fire-fighting measures

Suitable extinguishing media
compatible with all usual extinguishing media

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 (CO₂)

Nitrogen oxides (NO_x)

Additional information

Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions

Do not allow to enter drains or waterways

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

Procedures for cleaning up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

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.

Instructions for fire and explosion protection

Not applicable.

Storage

Requirements for storage rooms and containers

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

Combined storage instructions

Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

Protect from frost.

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7. Handling and storage (continued)

Protect from heat and direct sunlight

Protect from atmospheric moisture and water

8. Exposure controls/personal protection

Personal protective equipment

General protective and hygiene measures

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

Avoid contact with eyes and skin

Use barrier skin cream.

Remove soiled or soaked clothing immediately.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Respiratory protection

Not applicable.

Hand protection

Butyl rubber/nitrile rubber gloves

Eye protection

Safety glasses

Body protection

Working clothes

9. Physical and chemical properties

Appearance

Physical state: liquid

Colour: various

Odour: odourless

Data relevant to safety

Flash point > 200 °C

Method

Density at 20°C approx. 1.1 g/cm³

Solubility in water partially miscible

pH value at 20°C from 9 - 10

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10. Stability and reactivity

Materials to avoid/dangerous reactions
Incompatible with oxidisers and acids.

Thermal decomposition and hazardous decomposition products
No decomposition if used as prescribed.

11. Toxicological information

Experience on humans
When skin contact:
May cause irritation.
When eyes contact:
May cause irritation.
When inhalation:
May cause irritation.
When swallowed:
May cause health disorders.

12. Ecological information

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

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.

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15. Regulatory information

Labelling according to EEC Directive

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

National regulations

Sch. 5 SUSDP (Australia)

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.

SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.

SI 1988/1657: The Control of Substances Hazardous to Health Regulations.

UK Guidance Publications

Approved Code of Practice - Management of Health and Safety at Work, HSE.

General Approved Code of Practice to COSHH Regulations, HSE.

16. Other information

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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 TO THE CRITERIA OF WORKSAFE AUSTRALIA

1. Identification of the substance/preparation and company

Product

Product name

Sikafloor-21 Purcem, Part B

Manufacturer/supplier information

Manufacturer/supplier:

Sika Australia Pty Limited

Street/postbox:

55 Elizabeth Street

Town/City and Post Code:

WETHERILL PARK NSW 2164

Country:

Australia

Phone:

(02) 9725 1145

Telefax:

(02) 9725 3330

General information:

Emergency information phone:

1800 033 111

2. Composition/information on ingredients

Chemical characterization

Modified aromatic isocyanate

Hazardous ingredients

Designation according to 67/548/EEC

CAS No. Concentration Danger symbols R phrases

EEC No.

· Diphenylmethanediisocyanate, isomeres and homologues

9016-87-9 > 60 % Xn 20,36/37/38,42/43

3. Hazards identification

Hazards identification

Xn Harmful

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.

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.

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4. First-aid measures (continued)
Summon a doctor immediately.

After ingestion

Do not induce vomiting.
Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media
compatible with all usual extinguishing media

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)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

Additional information

Fire residues and contaminated firefighting medium must be disposed
of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not
be discharged into the drains.

6. Accidental release measures

Personal precautions

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

Environmental precautions

Do not allow to enter drains or waterways
In case of entry into waterways, soil or drains,
inform the responsible authorities.

Procedures for cleaning up

Pick up with absorbent material (e.g. sand, general-purpose binder)
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.

Instructions for fire and explosion protection

Not applicable.

Storage

Requirements for storage rooms and containers

Store in original container

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

Combined storage instructions

Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

Avoid contact with copper, copper alloy and galvanised surfaces

Protect from frost.

Protect from heat and direct sunlight

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
· Diphenylmethanediisocyanate, isomeres and homologues		
9016-87-9	MEL	0.02 mg/m ³ HSE/EH40/UK

Personal protective equipment

General protective and hygiene measures

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

Avoid contact with eyes and skin

Use barrier skin cream.

Remove soiled or soaked clothing immediately.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Respiratory protection

In case of insufficient ventilation.

Multi-purpose filter ABEK

Hand protection

Butyl rubber/nitrile rubber gloves

Eye protection

Safety glasses

Body protection

Working clothes

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9. Physical and chemical properties

Appearance

Physical state: liquid
Colour: dark brown
Odour: characteristic

Data relevant to safety

Flash point > 200 °C

Method

Density at 20°C approx. 1.24 g/cm³

Solubility in water Insoluble, reacts with water

pH value > 12

10. Stability and reactivity

Materials to avoid/dangerous reactions

Incompatible with water, acids, alcohols, amines and alkalis

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

Sensitization/allergic reaction possible.

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

Experience on humans

When skin contact:

Harmful effects.

When eyes contact:

Harmful effects.

When inhalation:

Harmful effects.

When swallowed:

Small amount may cause considerable health disorders.

12. Ecological information

Additional information

Water pollutant

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

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 EEC Directive

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

Relevant hazardous ingredients for labelling

Contains: Diphenylmethanediisocyanate, isomeres and homologues

Danger symbols

Xn Harmful

R phrases

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

20 Harmful by inhalation.

42/43 May cause sensitization by inhalation and skin contact.

S phrases

23 Do not breathe gas/fumes/vapour/spray

36/37 Wear suitable protective clothing and gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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15. Regulatory information (continued)

Special labelling for certain preparations
Contains isocyanates. Observe manufacturer's instructions.

National regulations

Sch. 5 SUSDP (Australia)

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.

SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.

SI 1988/1657: The Control of Substances Hazardous to Health Regulations.

SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

SI No. 972/1996: The Special Waste Regulations 1996

16. Other information

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HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

1. Identification of the substance/preparation and company

Product

Product name

Sikafloor-21 Purcem, Part C

Manufacturer/supplier information

Manufacturer/supplier:

Sika Australia Pty Limited

Street/postbox:

55 Elizabeth Street

Town/City and Post Code:

WETHERILL PARK NSW 2164

Country:

Australia

Phone:

(02) 9725 1145

Telefax:

(02) 9725 3330

General information:

Emergency information phone:

1800 033 111

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

EEC No.

· Quartz (SiO₂)

14808-60-7

> 60 %

Xi

20/48

238-878-4

· cement

65997-15-1

10 - 30 %

Xi

41,36/37/38

266-043-4

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

41

Risk of serious damage to eyes.

36/37/38

Irritating to eyes, respiratory system and skin.

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 (CO₂)

Nitrogen oxides (NO_x)

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	OES _{to} .dust	10 mg/m ³	HSE/EH40/UK
65997-15-1	OES _{re} .dust	4 mg/m ³	HSE/EH40/UK
· Quartz (SiO ₂)			
14808-60-7	OES _{re} .dust	0.3 mg/m ³	HSE/EH40/UK
14808-60-7	TWA (as quartz powder)	0.2 mg/m ³	Worksafe
14808-60-7	TWA (Total inspirable dust)	10 mg/m ³	Worksafe
14808-60-7	TWA (as Silica Fume)	2 mg/m ³	Worksafe

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

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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

Loose bulk density approx. 1.4 g/cm³

Solubility in water insoluble

pH value at 20°C > 12

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 trace quantities of hexavalent chromium present.

Experience on humans

When skin contact:

May cause irritation.

When eyes contact:

Irritation.

May cause irreversible damage to eyes.

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11. Toxicological information (continued)

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

Dispose of in accordance with local authority 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 EEC Directive

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

Danger symbols

Xi Irritant

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15. Regulatory information (continued)

R phrases

20/48	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
41	Risk of serious damage to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.

S phrases

2	Keep out of the reach of children.
22	Do not breathe dust.
S24/25	Avoid contact with skin and eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.
51	Use only in well-ventilated areas.

National regulations

None assigned	SUSDP (Aus)
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16. Other information

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