

## Safety data sheet

Date : March 28, 2002

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

Product name  
Sikaflex® Construction

Manufacturer/supplier information  
Sika (Thailand) Limited  
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### 2. Composition/information on ingredients

Chemical characterization  
Filled, reactive PUR-polymers

| Hazardous ingredients<br>Ingredient CAS No. | Concentration |
|---|---------------|
| • Xylene 1330-20-7                          | 3.4%          |

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### 3. Hazards identification

See chapter 11 and 12

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### 4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Ensure supply of fresh air.

In the event of symptoms take medical treatment.

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.



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

##### After ingestion

- Do not induce vomiting.
- Summon a doctor immediately.

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#### 5. Fire-fighting measures

##### Suitable extinguishing media

- Alcohol-resistant foam
- Dry powder
- Carbon dioxide
- Water spray jet

##### Unsuitable extinguishing media for safety reasons

- Not applicable

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

##### In the event of fire the following can be released :

- Isocyanates
- Carbon monoxide (CO)
- Carbondioxide (CO<sub>2</sub>)
- Nitrogen oxides (NO<sub>x</sub>)
- Hydrogen chloride (HCl)
- Possible in traces :
- Hydrogen cyanide (HCN)

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

- Use breathing apparatus.

##### Additional information

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

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#### 6. Accidental release measures

##### Personal precautions

- Ensure adequate ventilation.
- Remove persons to safety.
- Use personal protective dothing.

##### Environmental precautions

- In case of entry into waterways, soil or drains, inform the responsible authorities.
- Procedures for cleaning up
- Pick up mechanically
- 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.
- Provide good ventilation of working area (local exhaust ventilation if necessary).
- Instructions for fire and explosion protection
- Keep away from sources of ignition – refrain from smoking.

### 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.
- Protect from heat and direct sunlight
- Protect from atmospheric moisture and water

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## 8. Exposure controls/personal protection

### Occupational exposure limits

- Xylene

- TLV-TWA 100ppm, 434mg/m<sup>3</sup> (skin) (ACGIH 1999)
- TLV-STEL 150ppm, 650mg/m<sup>3</sup> (skin) (ACGIH 1999)

### Personal protective equipment

- General protective and hygiene measures
- Do not inhale vapours
- Do not eat, drink or smoke during work time.
- Wash hands before breaks and after work.
- Remove soiled or soaked clothing immediately.
- Use barrier skin cream.
- Take care for sufficient ventilation or exhaust on the workshop place.

### Respiratory protection

- In case of insufficient ventilation.
- Ori-nasal mask suitable for organic vapours.
- Class of vapour filter is depending on pollutant concentration on the scene.

### Hand protection

- Rubber gloves

### Eye protection

- Safety glasses/face shield

### Body protection

### Working cloths



## 9. Physical and chemical properties

### Appearance

Physical state : pasty

Colour : White, Concrete Grey, Black

Odour : characteristic

### Data relevant to safety

Flash point 62°

Auto-ignition temperature not determined

Lower explosion limit not determined

Vapour pressure at 20° not determined

Density at 20° approx. 1.40 ± 0.10 g/cm<sup>3</sup>

Solubility in water at 20° insoluble

Solubility in water at 20° Reacts with water

p H value at 20° not applicable

Viscosity at 20° not applicable

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## 10. Stability and reactivity

### Conditions to avoid

Formation of explosive gas/air mixtures.

### Materials to avoid/dangerous reactions

Because of the high vapour pressure, containers are liable to burst if temperature rises.

With water formation of CO<sub>2</sub>. Possible rise of pressure in dosed containers.

Hazardous reactions possible with :

Amines

Alcohols

### Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

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## 11. Toxicological information

### Sensitization

Allergic reactions can be observed by sensitive persons.

The same is also valid below the fixed exposure limits.

Asthmatics and persons with sensitive respiratory tract should avoid all contacts with this product.

### Experience on humans

When skin contact :

May cause irritation.

When eyes contact :

Irritation.

When inhalation :

May cause irritation.

Vapours have a narcotic effect. Reaction-time and sense of coordination may be affected.

When swallowed :

May cause health disorders.

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## 12. Ecological information

### Additional information

Product is water polluting.

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

A negative influence to the environment after curing is not known.

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## 13. Disposal considerations

### Product

#### Recommendations

See chapter 15, national regulations.

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

### Contaminated packaging

#### Recommendations

Completely emptied packagings can be given for recycling.

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

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## 14. Transport information

### ADR/RID

#### Further information

No dangerous good.

### IMO/MDG

#### Further information

No dangerous good.



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## 14. Transport information (continued)

IATA/ICAO

Further information

No dangerous good.

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## 15. Regulatory information

Pollutant Release and Transfer Register ; Xylene

Industrial Safety and Health Low

Control concerning toxic articles ; Xylene

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## 16. Other information

None

### Disclaimer

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