

Safety Data Sheet

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

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

Date of printing: 04.05.2001

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Revised: 07.08.2000

SDS No.: 025-00019902.0000

1. Identification of the substance/preparation and company

Product

Product name

SikaBond® T-2

Manufacturer/supplier information

Manufacturer/supplier:

Sika Chemie GmbH

Street/postbox:

Kornwestheimer Str. 103-107

Town/City and Post Code:

Stuttgart

Country:

Germany

Phone:

+4971180090

Telefax:

+497118009321

Emergency information phone:

Nur ausserhalb der Geschäftszeit 0172-7169508

2. Composition/information on ingredients

Chemical characterization

Filled reactive PUR-polymer

Hazardous ingredients

Designation according to 67/548/EEC

CAS No. Concentration Danger symbols R phrases

- 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
4098-71-9 0.1 - 1 % T,N 23,36/37/38,42/43
51/53
- Solvent naphtha (petroleum), medium aliph.
64742-88-7 1 - 2.5 % Xn,N 10,65,51/53
- xylene
1330-20-7 2.5 - 10 % Xn 10,20/21,38
- 4,4-methylenediphenyl diisocyanate
101-68-8 0.1 - 1 % Xn 20,36/37/38,42/43
- 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters,
C10-rich
68515-49-1 10 - 25 %

3. Hazards identification

Hazards identification

Xn

Harmful

Information on hazards to man and to the environment

42

May cause sensitization by inhalation.

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.

After ingestion

Do not induce vomiting.

Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media

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 (CO₂)

Nitrogen oxides (NO_x)

Possible in traces:

Hydrogen cyanide (HCN)

Special protective equipment for fire-fighting

Use breathing apparatus.

Additional information

Cool containers with water spray jet.

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

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6. Accidental release measures

Personal precautions

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

Environmental precautions

- Do not allow to enter drains or waterways
- Do not allow to enter into the subsoil/soil.

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 - no 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 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
· 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate			
4098-71-9	MEL	0.02 mg/m3	HSE/EH40/UK
· xylene			
1330-20-7	OES	441 mg/m3	HSE/EH40/UK
1330-20-7	OES	100 ml/m3	HSE/EH40/UK

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8. Exposure controls/personal protection (continued)

- 4,4-methylenediphenyl diisocyanate
101-68-8 MEL 0.02 mg/m3 HSE/EH40/UK
- 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters,
C10-rich
68515-49-1 OES 5 mg/m3 HSE/EH40/UK

Personal protective equipment

General protective and hygiene measures

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.

Remove soiled or soaked clothing immediately.

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

Body protection

Working clothes

9. Physical and chemical properties

Appearance

Physical state: Pasty
Colour: various
Odour: odourless

Data relevant to safety

		Method
Decomposition temperature	> 150 °C	
Flash point	80 °C	DIN 53213
Auto-ignition temperature	> 200 °C	
Density at 23°C	1.2 g/cm3	
Solubility in water at 20°C	insoluble	
pH value at 20°C	not applicable	

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10. Stability and reactivity

Materials to avoid/dangerous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

When inhalation:

Sensitization/allergic reaction possible.

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.

When swallowed:

May cause health disorders.

12. Ecological information

Additional information

Product is water polluting.

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

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

See chapter 15, national regulations.

Hydrogen halides must be removed by flue gas scrubbing

Packaging

Recommendations

Completely emptied packagings can be given for recycling.

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13. Disposal considerations (continued)

Packaging that cannot be cleaned should be disposed of as product waste

14. Transport information

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 88/379/EEC

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

Relevant hazardous ingredients for labelling

Contains: 4,4-methylenediphenyl diisocyanate

Danger symbols

Xn Harmful

R phrases

42 May cause sensitization by inhalation.

Special labelling for certain preparations (Annex III to 88/379/EEC)

Contains isocyanates. Observe manufacturer's instructions.

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 Technical Data Sheet prior to any use and processing.