

Safety Data Sheet

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

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

Date of printing: 08.05.2001

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Revised: 21.08.2000

SDS No.: 029-00021286.0000

1. Identification of the substance/preparation and company

Product

Product name

Sika®-Primer 3

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

Solventbased polyisocyanate

Hazardous ingredients

Designation according to 67/548/EEC

CAS No.	Concentration	Danger symbols	R phrases
· xylene			
1330-20-7	25 - 50 %	Xn	10,20/21,38
· Ethylbenzene			
100-41-4	10 - 25 %	F,Xn	11,20
· acetone			
67-64-1	10 - 25 %	F,Xi	11,36,66,67

3. Hazards identification

Hazards identification

F Highly flammable
Xn Harmful

Information on hazards to man and to the environment

11 Highly flammable.
20/21 Harmful by inhalation and in contact with skin.
38 Irritating to skin.

4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Remove the casualty into fresh air and keep calm.

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4. First-aid measures (continued)

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.

Take for medical treatment

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

carbon dioxide

dry powder

water spray jet

alcohol-resistant foam

Unsuitable extinguishing media for safety reasons

Full water jet

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)

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

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

Environmental precautions

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

Procedures for cleaning up

- Pick up with absorbent material.
- Do not pick up with the help of saw-dust or other combustible substances.
- Avoid sparking.
- 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.
- Take precautionary measures against electrostatic loading.
- Use only explosion-proof equipment
- Vapours may form explosive mixtures with air
- The product vapours are heavier than air.
- Ignitable mixtures can form in the empty container.

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 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				Ref./Country/Year
CAS No.	Type			
· xylene				
1330-20-7	OES	441 mg/m ³		HSE/EH40/UK
1330-20-7	OES	100 ml/m ³		HSE/EH40/UK
· Ethylbenzene				
100-41-4	OES	441 mg/m ³		HSE/EH40/UK
100-41-4	OES	100 ml/m ³		HSE/EH40/UK
· acetone				
67-64-1	OES	1810 mg/m ³		HSE/EH40/UK
67-64-1	OES	750 ml/m ³		HSE/EH40/UK

Personal protective equipment

General protective and hygiene measures

Do not inhale vapours

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

Plastic gloves

Eye protection

Tightly fitting safety glasses

Body protection

protective clothing

9. Physical and chemical properties**Appearance**

Physical state: liquid

Colour: colourless

Odour: of xylene

Data relevant to safety

Boiling point > 90 °C

Method

Flash point < 20.9 °C

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9. Physical and chemical properties (continued)

Vapour pressure at 20°C	< 101 hPa
Density at 20°C	0.9 g/cm ³
Solubility in water at 20°C	approx. 5 %
pH value at 20°C	not applicable
Viscosity at 20°C	10 15 mPas

10. Stability and reactivity

Conditions to avoid

Formation of explosive gas/air mixtures.

Materials to avoid/dangerous reactions

Hazardous reactions possible with:

Water

Oxidizers

Amines

Reducing agents

Gaseous decomposition products cause overpressure in tightly closed containers.

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

With water formation of CO₂. Possible rise of pressure in closed containers.

Thermal decomposition and hazardous decomposition products

Thermal decomposition at:

> 230°C

Hazardous decomposition products:

HCN

11. Toxicological information

Sensitization

Sensitization/allergic reaction possible.

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

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:

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11. Toxicological information (continued)

Harmful effects.

May cause irritation.

Repeated exposure may cause skin dryness or cracking

When eyes contact:

Irritation.

When inhalation:

Harmful effects.

Irritation.

Vapours may cause drowsiness and dizziness

When swallowed:

Harmful effects.

Smallest amount may cause considerable health disorders.

12. Ecological information

Additional information

Product is water polluting.

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

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.

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

ADR/RID

UN No.: 1866 Class: 3 Cipher: 5b) Packing group: II

Proper shipping name

Resin solution

Label No.: 3

IMO/IMDG

UN No.: 1866 Class: 3.2 Page: 3278 Packing group: II

EmS: 3-05 MFAG: 310

Proper shipping name

Resin solution, flammable

Label No.: 3

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14. Transport information (continued)

IATA/ICAO

UN No.: 1866 Class: 3

Packing group: II

Proper shipping name

Resin solution, flammable

Label No.: 3

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: xylene

Danger symbols

F Highly flammable

Xn Harmful

R phrases

11 Highly flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

S phrases

16 Keep away from sources of ignition --- No smoking.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

51 Use only in well-ventilated areas.

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

Contains isocyanates. Observe manufacturer's instructions.

National regulations

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 1972/917: Highly Flammable Liquids & LPG Regs.

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

UK Guidance Publications

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

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15. Regulatory information (continued)

General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.

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.