

Safety Data Sheet

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

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

Date of printing: 02.05.2001

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Revised: 17.05.2000

SDS No.: 050-00025875.0000

1. Identification of the substance/preparation and company

Product

Product name

Sikagard[®]-680 S

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

Coating of synthetic resin, containing solvent

Hazardous ingredients

Designation according to 67/548/EEC

CAS No. Concentration Danger symbols R phrases

· Naphtha (petroleum), hydrodesulfurized heavy

64742-82-1 2.5 - 10 % Xn,N 10,65,51/53,66,67

· Solvent naphtha (petroleum), light arom.

64742-95-6 10 - 25 % N,Xn 51/53,10,65,37

· xylene

1330-20-7 2.5 - 10 % Xn 10,20/21,38

· Ethylbenzene

100-41-4 1 - 2.5 % F,Xn 11,20

· 2-methoxy-1-methylethyl acetate

108-65-6 2.5 - 10 % Xi 10,36

3. Hazards identification

Information on hazards to man and to the environment

10 Flammable.

4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Ensure supply of fresh air.

Take medical treatment.

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4. First-aid measures (continued)

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

carbon dioxide

dry powder

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)

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.

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.

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6. Accidental release measures (continued)

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".

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 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

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
· 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

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8. Exposure controls/personal protection (continued)

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: various

Odour: characteristic

Data relevant to safety

Flash point

30 °C

Method

Density at 20°C

1.39 1.45 g/cm³

Solubility in water

immiscible

Viscosity at 20°C

>> 110 s

4mm/DIN 53211

Viscosity at 23°C

> 60 s

6mm/ISO 2431

(efflux time)

10. Stability and reactivity

Conditions to avoid

Formation of explosive gas/air mixtures.

Materials to avoid/dangerous reactions

Hazardous reactions possible with:

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10. Stability and reactivity (continued)

Oxidizers

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

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

So far no sensitization effects known.

Experience on humans

When skin contact:

May cause irritation.

When eyes contact:

Irritation.

When inhalation:

Irritation.

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

When swallowed:

Small 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

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

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14. Transport information

ADR/RID

UN No.: 1263 Class: 3 Cipher: 31c) Packing group: III

Proper shipping name

Paint

Further information

Classification is only valid for container >450 liter.

Label No.: 3

Further information

Info document of transportation for container < 450 L:

"Transport in accord. with NOTE under E of marginal 2301"

IMO/IMDG

UN No.: 1263 Class: 3.3 Page: 3372 Packing group: III

EmS: 3-05 MFAG: 310 313

Marine pollutant: P

Proper shipping name

Paint

Label No.: 3

IATA/ICAO

UN No.: 1263 Class: 3 Packing group: III

Proper shipping name

Paint

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.

R phrases

10 Flammable.

S phrases

1/2 Keep locked up and out of the reach of children.

23 Do not breathe gas/fumes/vapour/spray

38 In case of insufficient ventilation, wear suitable respiratory equipment.

51 Use only in well-ventilated areas.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National regulations

UK Legislation

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

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15. Regulatory information (continued)

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

Petroleum (Consolidation) Act, 1928 and associated legislation.

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.

General Approved Code of Practice to COSHH Regulations, HSE.

EH40, Occupational Exposure Limits, HSE. Revised Annually.

HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE.

Guide to Highly Flammable Liquids & LPG Regulations - H&SE.

HS (G) 37, An Introduction to Local Exhaust Ventilation, HSE

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.