

SikaForce[®]-7020 (formerly 1821)

Hardener for two component polyurethane adhesive

Technical Product Data

Chemical base	MDI – Diphenylmethane-4,4'-diisocyanate
Colour	Brown
Solids content	100%
Density ¹⁾ (CQP 006-6) ²⁾	1.2 g/cm ³ approx.
Viscosity ¹⁾ (CQP 538-2)	90 mPa·s approx. (Brookfield RVT 2/20)
Shelf life ³⁾	6 months

¹⁾ Testing temperature 23°C (73°F) / 50% r.h. ²⁾ CQP = Corporate Quality Procedure ³⁾ 10 - 30°C

Description

SikaForce[®]-7020 Hardener is a solvent-free dark brown liquid of low viscosity.

This product is manufactured in accordance with ISO 9001 and ISO 14001 quality assurance systems.

Product Benefits

- Thin liquid
- Low vapour pressure

Areas of Application

Hardener for two component polyurethane products



Cleaning

Non-cured hardener on tools and application equipment can be removed with SikaForce-7260 Cleaner. Cured hardener can only be removed mechanically.

Storage Conditions

To be kept indoors between +10°C and +30°C in a dry place. Do not expose to direct sunlight or frost. After opening of the packaging, the contents should be protected against the atmospheric humidity by mounting a silica gel tube from Sika Danmark A/S. The minimum temperature during transportation is 0°C.

Further Information

The following publications are available on request:
- Safety data sheet

Packaging Information

SikaForce-7020	Can	0,5 kg
	Can	5 kg
	Pail	20 kg
	Drum	250 kg

Important

For information and advice on the safe handling, storage, and disposal of chemical products users should refer to the relevant safety data sheet(s) containing physical, ecological, toxicological and other safety related data for the appropriate type of substance.

Notice:

"Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based of approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is effected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise."



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Safety Data Sheet

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

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* 1. Identification of the substance/preparation and company

Product

Product name

SikaForce-7020 (formerly 1821)

Manufacturer/supplier information

Manufacturer/supplier:

Sika Danmark A/S

Street/postbox:

Præstemosevej 2-4

Town/City and Post Code:

DK-3480 Fredensborg

Country:

Danmark

Phone:

(0045) 48 18 85 85

Telefax:

(0045) 48 18 84 96

General information:

-

Emergency information phone:

Giftinformations centralen

(Bispebjerg Hospital) telefon 35 31 60 60

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

EC No.

· Diphenylmethanediisocyanate, isomeres and homologues

9016-87-9

50 - 100 %

Xn

20,36/37/38,42/43

3. Hazards identification

Hazards identification

Xn

Harmful

Information on hazards to man and to the environment

20

Harmful by inhalation.

36/37/38

Irritating to eyes, respiratory system and skin.

42/43

May cause sensitization by inhalation and skin contact.

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

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4. First-aid measures (continued)

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

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)

Possible in traces:

Hydrogen cyanide (HCN)

Isocyanates

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".

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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.

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
9016-87-9	WEL	HSE/EH40/UK

· Diphenylmethanediisocyanate, isomeres and homologues

0.02 mg/m³

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

Class of vapour filter is depending on pollutant concentration on the scene.

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: brown

Data relevant to safety

Flash point > 200 °C Method

Density at 20°C approx. 1.2 g/cm³

Solubility in water Reacts with water

Viscosity at 20°C 90 mPas
(dynamic)

10. Stability and reactivity

Materials to avoid/dangerous reactions

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

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

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

Sensitization/allergic reaction possible.

Allergic reaction may 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:

Irritation.

When swallowed:

Small amount may cause considerable health disorders.

12. Ecological information

Additional information

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

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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 may be given for recycling.

Empty packaging may still contain hazardous residues.

Empty packaging should be removed by a licensed waste contractor.

14. Transport information

ADR/RID

Further information

No dangerous goods.

IMO/IMDG

Marine pollutant: no

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 EC directives/the relevant national laws.

Relevant hazardous ingredients for labelling

Contains: Diphenylmethanediisocyanate, isomeres and homologues

Danger symbols

Xn Harmful

R phrases

20 Harmful by inhalation.

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

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. See information supplied by the manufacturer.

16. Other information

asterisk (*) on left margin marks modification of previous version

Recommended use: Chemical product for construction and industry

R-phrases of the ingredients listed in chapter 2

20 Harmful by inhalation.

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

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

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.