

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKIN20A
Product Name	Sika Injection-20 Part A
Product Description	2 component PU based resin system for crack sealing
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Diphenylmethandiisocyanate	101-68-8	50.00% - 100.00%	Xn	R20, R36/37/38, R42/43

3. HAZARD IDENTIFICATION

Main Hazards	Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.
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4. FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wipe off as much as possible with a clean dry cloth. Wash skin thoroughly with soap and water. Solvents should not be used to clean skin because they may increase the penetration of the material.
Ingestion	Do not induce vomiting. Obtain medical attention.
Inhalation	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate protective clothing.

Environmental Precautions and Clean-up Methods

Ventilate area to dispel any residual vapours.

Spillages

Try to prevent the material from entering drains or water courses.

Contain and absorb using earth, sand or other inert material.
Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling

Use in well ventilated area. Avoid contact with water or moist air.
Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Storage

Avoid contact with eyes, skin and clothing.

Storage area should be: cool. dry.

Storage temperature should be controlled to between 5 and 25 °C.

Store in the original container securely closed . Keep away from foodstuffs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

Diphenylmethandiisocyanate

UK EH40: WEL 0.07 mg/m³ 15min STEL.

UK EH40: WEL 0.02 mg/m³ 8h TWA.

Engineering Control Measures

Exposure to this material may be controlled in a number of ways.
The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure.

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

If limits are exceeded use an approved respirator suitable for the purpose.

Hand Protection

Wear suitable impervious gloves. (butyl / nitrile type)

Eye Protection

Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid.

Color

Brown.

Odor

Characteristic.

Flash Point °C

> 200

Solubility - Water

Insoluble.

Density (kg/m³)

(reacts with water to form solid)

Approx. 1140

Viscosity (at 20°C)

200 - 300 at 20 °C. (measured as mPa.s)

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Polymerisation will continue if exposed to: water.

Extremes of temperature. Exposure to water or moisture.

Hazardous Decomposition Products

Heating may produce: oxides of carbon. oxides of nitrogen.
isocyanates. toxic fumes. acrid smoke and irritating fumes.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity

The principal hazard associated with isocyanates is allergic respiratory sensitisation. This may occur after either short periods of massive exposure or chronic exposure; effects may be considerably delayed. Persons with asthmatic or sensitive respiratory conditions should refrain from handling the product.

Eye irritation

Liquid and vapour can cause irritation on contact and at high concentrations.

Skin irritation

May cause sensitisation. Frequent or prolonged skin contact may cause some local short term skin irritation.

12. ECOLOGICAL INFORMATION

Mobility

The product is insoluble in water.

Persistence/degradability

The product is expected to be not readily biodegradable.

Ecotoxicity

The product is expected to be non-hazardous to aquatic species.

13. DISPOSAL

Product Disposal

Hazardous waste.

Container Disposal

Arrange for disposal via a licensed waste contractor. Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

ADR/RID : Proper shipping name

Not Regulated under ADR/RID

IMDG : Proper shipping name

Not Regulated under IMDG

IATA : Proper shipping name

Not Regulated under ICAO

15. REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Harmful by inhalation. May cause sensitisation by inhalation and skin contact. Irritating to eyes, respiratory system and skin.

Safety Phrases

Do not breathe gas/fumes/vapor/spray. Avoid contact with skin. Wear suitable gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains isocyanates. See information supplied by the manufacturer.

Contains

Diphenylmethanediisocyanate, isomeres and homologues



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16. OTHER INFORMATION

First Issue Date	10.06.2002
Revisions Highlighted	Exposure Controls and Personal Protection
Uses and Restrictions	Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.
UK Legislation	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations SI 2002/2677: The Control of Substances Hazardous to Health Regulations SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
UK Guidance Publications	SI 2005/ 894 Hazardous waste regulations 2005 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.
Footnote	The information contained in this SDS 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 use.

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKIN20B
Product Name	Sika Injection-20 Part B
Product Description	2 component PU based resin system for crack sealing
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
2-dimethylaminoethanol	108-01-0	10.00% - 25.00%	C	R10, R20/21/22, R34
Dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	1.00% - 2.50%	Xn	R22, R48/22, R52/53

3. HAZARD IDENTIFICATION

Main Hazards	Causes burns. Irritating to respiratory system.
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4. FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
Skin Contact	Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists. Contaminated clothing should be washed or dry-cleaned before re-use.
Ingestion	Do not induce vomiting. Obtain medical attention.
Inhalation	Remove from exposure. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide. Dry sand may be used on small fires.
Extinguishing Media - Not suitable	Do not use water jet.
Special Hazards of Product	Combustion will generate oxides of carbon and nitrogen
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear appropriate protective clothing. Eliminate all sources of ignition.

Environmental Precautions and Clean-up Methods Spillages

Ventilate area to dispel any residual vapours. Prevent the material from entering drains or water courses.

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling

Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Use in well ventilated area. Avoid inhaling vapour.

Storage

Avoid contact with eyes, skin and clothing.

Storage area should be: cool. dry. well ventilated. out of direct sunlight.

Store away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits - GB

2-dimethylaminoethanol

UK EH40: WEL 2ppm (7.4mg/m³) 8 hr.TWA

UK EH40: WEL 6ppm (22mg/m³) 15 min

Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Adequate ventilation should be provided to maintain concentrations in the workplace below exposure limits.

Respiratory protection if there is a risk of exposure to high vapour concentrations.

Hand Protection

Wear suitable impervious gloves. (butyl / nitrile type)

Eye Protection

Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid.

Color

Yellow.

Odor

Amine like.

Flash Point °C

Approx. 58

Solubility - Water

Partially soluble.

Density (kg/m³)

Approx. 960 at 20 °C.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Sources of ignition.

Hazardous Decomposition Products

Combustion will generate: oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes.



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11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity
<i>Eye irritation</i>	Liquid and vapour can cause irritation on contact and at high concentrations. This material is corrosive to the eye.
<i>Skin irritation</i>	The material is corrosive to the skin.

12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is sparingly soluble in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

13. DISPOSAL

<i>Product Disposal</i>	Hazardous waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

<i>UN : UN number</i>	2924
<i>UN : Proper shipping name</i>	Flammable liquid, corrosive, n.o.s.
<i>UN : Class</i>	3
<i>UN : Packing Group</i>	3
<i>ADR/RID : Number</i>	2924
<i>ADR/RID : Proper shipping name</i>	Flammable liquid, corrosive, n.o.s.
<i>ADR/RID : Class</i>	contains 2-dimethylaminoethanol
<i>ADR/RID : Item Number</i>	33(c) Class FC
<i>IMDG : Proper shipping name</i>	Flammable liquid, corrosive, n.o.s. contains 2-dimethylaminoethanol
<i>IMDG : Packing Group</i>	3
<i>IMDG : Class</i>	3
<i>IMDG : Ems Number</i>	F-E, S-C
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	3

15. REGULATORY INFORMATION

Label Requirements Corrosive



Risk Phrases Causes burns.
Irritating to respiratory system.



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SKIN20B

Safety Phrases

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

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains

2-dimethylaminoethanol

16. OTHER INFORMATION

First Issue Date

10.06.2002

Revisions Highlighted

Disposal.

Uses and Restrictions

Exposure Controls and Personal Protection

Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

UK Legislation

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

SI 2002/2677: The Control of Substances Hazardous to Health Regulations

SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations

SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

UK Guidance Publications

SI 2005/ 894 Hazardous waste regulations 2005

EH40, Occupational Exposure Limits, HSE. Revised Annually.

General Approved Code of Practice to COSHH Regulations, HSE.

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

Footnote

The information contained in this SDS 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 use.