

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKIN29A
Product Name	Sika Injection-29 Part A
Product Description	3- component PMA based 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-hydroxyethyl methacrylate	868-77-9	50.00% - 100.00%	Xi	R36/38, R43
Methoxy polyethylene glycol methacrylate	26915-72-0	10.00% - 25.00%	Xi	R36/38
Ethylene dimethacrylate	97-90-5	1.00% - 2.50%	Xi	R37, R43

3. HAZARD IDENTIFICATION

Main Hazards	Irritating to eyes and skin. May cause sensitization by 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	Combustion will produce smoke, carbon dioxide and carbon monoxide.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Ventilate area to dispel any residual vapours. Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	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.
<i>Storage</i>	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

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	Ensure adequate ventilation
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl / nitrile type)
<i>Eye Protection</i>	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Colorless.
<i>Odor</i>	Acrylic
<i>pH</i>	Approx. 4.6 (1% in water)
<i>Flash Point °C</i>	> 100
<i>Solubility - Water</i>	Soluble.
<i>Density (kg/m³)</i>	Approx. 1070
<i>Viscosity (at 20°C)</i>	25 at 20 °C. (measured as mPa.s)

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions. Polymerisation will continue if exposed to: water.
<i>Conditions to avoid</i>	Extremes of temperature.
<i>Hazardous Decomposition Products</i>	carbon oxides (CO, CO ₂)

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity
<i>Eye irritation</i>	Irritating to the eyes.
<i>Skin irritation</i>	May cause sensitisation. Frequent or prolonged skin contact may cause some local short term skin irritation. The possibility of allergic sensitisation should be considered



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12. ECOLOGICAL INFORMATION

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

13. DISPOSAL

<i>Product Disposal</i>	Dispose of as Special 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>ADR/RID : Number</i>	Not Regulated under ADR/RID
<i>IMDG : Proper shipping name</i>	Not Regulated under IMDG
<i>IATA : Proper shipping name</i>	Not Regulated under ICAO

15. REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant 
<i>Risk Phrases</i>	Irritating to eyes and skin. May cause sensitization by skin contact.
<i>Safety Phrases</i>	Avoid contact with skin. Wear suitable gloves.

16. OTHER INFORMATION

<i>First Issue Date</i>	17.06.2002
<i>Revisions Highlighted</i>	Future revisions will incorporate such information as is required but which is not available at this time.
<i>Uses and Restrictions</i>	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.
<i>UK Legislation</i>	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. Chemicals (Hazard Information and Packaging) Regulations, 2002. SI 1999/437: The Control of Substances Hazardous to Health Regulations SI No. 972/1996: The Special Waste Regulations 1996 SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.



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UK Guidance Publications

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.

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKIN29B
Product Name	Sika Injection-29 Part B
Product Description	3- component PMA based 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
2,2' dimorpholinyl diethyl ether	6425-39-4	1.00% - 2.50%	Xi	R36/38

3. HAZARD IDENTIFICATION

Main Hazards None

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	Thermal decomposition or burning may release oxides of carbon, traces of ammonia.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.



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6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Ventilate area to dispel any residual vapours. Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices. Use in well ventilated area. Avoid inhaling vapour.
<i>Storage</i>	Avoid contact with eyes, skin and clothing. Storage area should be: cool. dry. well ventilated. out of direct sunlight. Store away from acids and oxidising agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	Ensure adequate ventilation
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl / nitrile type)
<i>Eye Protection</i>	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Violet.
<i>Odor</i>	Amine like.
<i>pH</i>	Approx. 9.2 (1% in water)
<i>Flash Point °C</i>	> 100
<i>Solubility - Water</i>	Soluble.
<i>Density (kg/m³)</i>	Approx. 1000 at 20 °C.
<i>Viscosity (at 20°C)</i>	< 10 mPas

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Hazardous Decomposition Products</i>	Combustion will generate: oxides of carbon, traces of ammonia, acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity
<i>Eye irritation</i>	Irritating to the eyes.
<i>Skin irritation</i>	Frequent or prolonged skin contact may cause some local short term skin irritation. The possibility of allergic sensitisation should be considered



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12. ECOLOGICAL INFORMATION

<i>Mobility</i>	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>	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>ADR/RID : Proper shipping name</i>	Not Regulated under ADR/RID
<i>IMDG : Proper shipping name</i>	Not Regulated under IMDG
<i>IATA : Packing Group</i>	Not Regulated under ICAO

15. REGULATORY INFORMATION

<i>Risk Phrases</i>	None assigned
<i>Safety Phrases</i>	None assigned

16. OTHER INFORMATION

<i>First Issue Date</i>	17.06.2002
<i>Revisions Highlighted</i>	Future revisions will incorporate such information as is required but which is not available at this time.
<i>Uses and Restrictions</i>	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.
<i>UK Legislation</i>	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 1999/437: The Control of Substances Hazardous to Health Regulations Chemicals (Hazard Information and Packaging) Regulations, 2002. SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
<i>UK Guidance Publications</i>	General Approved Code of Practice to COSHH Regulations, HSE. HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE.
<i>Footnote</i>	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	SKIN29C
Product Name	Sika Injection-29 Part C
Product Description	3- component PMA based 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
Sodium Persulphate	7775-27-1	50.00% - 100.00%	O, Xn	R8, R22, R42/43

3. HAZARD IDENTIFICATION

Main Hazards	Harmful if swallowed. Contact with combustible material may cause fire. May cause sensitization 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. Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention urgently.
Skin Contact	Wash skin thoroughly with soap and water. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.
Ingestion	Do not induce vomiting. Wash out mouth with water. Obtain medical attention.
Inhalation	Unlikely to occur. However provide symptomatic medical treatment if required.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use extinguishing media suitable for surrounding materials.
Special Hazards of Product	Dangerous when exposed to heat or flame. Moderate to severe explosion hazard in confined spaces.



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6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Avoid creating a dust. Sweep up into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	Use in well ventilated area. Avoid inhaling dust. Avoid contact with eyes, skin and clothing.
<i>Storage</i>	Storage area should be: cool. dry. Store in original containers. Storage temperature should be kept about 25 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	Dust mask if conditions are dusty.
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl type) The insides of gloves must be kept scrupulously clean.
<i>Eye Protection</i>	Chemical goggles must be worn during all handling operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Powder.
<i>Color</i>	White.
<i>Odor</i>	Odourless.
<i>pH</i>	Approx. 3 (sat soln)
<i>Flash Point °C</i>	Not applicable
<i>Solubility - Water</i>	Partially soluble in water.
<i>Density (kg/m³)</i>	Approx. 1150 (loose).

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under correct storage
<i>Conditions to avoid</i>	High temperatures.
<i>Hazardous Decomposition Products</i>	carbon oxides (CO, CO ₂) sulfur oxides (SO ₂ , SO ₃ ...)

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Irritating to the eyes.
<i>Skin irritation</i>	Frequent or prolonged skin contact may cause some local short term skin irritation.
<i>Sensitization - Skin</i>	The possibility of allergic sensitisation should be considered.



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12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is partially soluble in water.
<i>Persistence/degradability</i>	Inorganic basis, therefore non biodegradable.
<i>Ecotoxicity</i>	Maybe harmful to aquatic species

13. DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

<i>UN :</i>	<i>UN number</i>	1505
<i>UN :</i>	<i>Class</i>	5.1
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID :</i>	<i>Number</i>	1505
<i>ADR/RID :</i>	<i>Proper shipping name</i>	Sodium Persulphate
<i>ADR/RID :</i>	<i>Class</i>	5.1
<i>ADR/RID :</i>	<i>Item Number</i>	18 (c)
<i>IMDG :</i>	<i>Proper shipping name</i>	Sodium Persulphate
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	5.1
<i>IMDG :</i>	<i>Ems Number</i>	5.1-06
<i>IATA :</i>	<i>Proper shipping name</i>	Sodium Persulphate
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	5.1

15. REGULATORY INFORMATION

Label Requirements Oxidizing, Harmful



Risk Phrases Harmful if swallowed.
Contact with combustible material may cause fire.
May cause sensitization by inhalation and skin contact.

Safety Phrases Keep container tightly closed in a cool place.
Avoid contact with skin.
Do not breathe gas/fumes/vapor/spray
Wear suitable gloves.
Wear suitable protective clothing and eye/face protection.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



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16. OTHER INFORMATION

<i>First Issue Date</i>	18.06.2002
<i>Revisions Highlighted</i>	Future revisions will incorporate such information as is required but which is not available at this time.
<i>Uses and Restrictions</i>	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.
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