

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKFL61A
Product Name	Sikafloor 619 Part A
Product Description	2-component solvated low viscosity epoxy resin based impregnating sealer for concrete surfaces.
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
Xylene	1330-20-7	25.00% - 50.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	10.00% - 25.00%	F, Xn	R11, R20
Epoxy Resin: Type A (No. Av. Mol wt 700-1100)	25-06-38-6	25.00% - 50.00%	Xi	R36/38, R43

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. Irritating to skin. Harmful by inhalation and in contact with 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.
Skin Contact	Obtain medical attention urgently. Wash skin thoroughly with soap and water. 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 produce smoke, carbon dioxide and carbon monoxide.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Wear appropriate protective clothing. Eliminate all sources of ignition.

Environmental Precautions and Clean-up Methods

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

Spillages

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**

Xylene

UK EH40: OES 50ppm (220mg/m³) 8h TWA.

UK EH40: OES 100ppm (441mg/m³) 15min STEL

Ethyl benzene

UK EH40: OES 100ppm (441mg/m³) 8h TWA.

UK EH40: OES 125ppm (552mg/m³) 15min STEL

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 solvent 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)

The insides of gloves must be kept scrupulously clean.

Eye Protection

Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Clear. - Straw

Odor

Aromatic.

Flash Point °C

26

Solubility - Water

Immiscible.

Density (kg/m³)

Approx. 950 at 20 °C.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Contains volatile solvent.

High temperatures.

Sources of ignition.

Hazardous Decomposition Products

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

**11. TOXICOLOGICAL INFORMATION**

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Excessive exposure may produce anaesthetic or narcotic effects. Liquid and vapour can cause irritation on contact and at high concentrations.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content. The possibility of allergic sensitisation should be considered

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>	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>UN :</i>	<i>UN number</i>	1263
<i>UN :</i>	<i>Proper shipping name</i>	Paint
<i>UN :</i>	<i>Class</i>	3.3
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID :</i>	<i>Number</i>	1263
<i>ADR/RID :</i>	<i>Proper shipping name</i>	Paints - flash point between 21°C and 55°C.
<i>ADR/RID :</i>	<i>Class</i>	3
<i>ADR/RID :</i>	<i>Item Number</i>	31c
<i>ADR/RID :</i>	<i>Hazard Identification Number</i>	30
<i>IMDG :</i>	<i>Proper shipping name</i>	Paint.
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	3.3
<i>IMDG :</i>	<i>Ems Number</i>	3-05
<i>IATA :</i>	<i>Proper shipping name</i>	Paint.
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	3

**15. REGULATORY INFORMATION****Label Requirements**

Harmful

**Risk Phrases**

Flammable.
Irritating to skin.
Harmful by inhalation and in contact with skin.
May cause sensitization by skin contact.

Safety Phrases

Avoid contact with skin.
Wear suitable protective clothing and gloves.
Use only in well-ventilated areas.

Contains epoxy constituents. See information supplied by the manufacturer.

Contains

Epoxy Resin , Xylene

16. OTHER INFORMATION**First Issue Date**

24.04.1995

Revisions Highlighted

Composition / information on ingredients

Hazards Identification

Label Requirements

UK Legislation

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 1972/917: Highly Flammable Liquids & LPG Regs.

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.

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.

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Product Name Sikafloor 619 Part B
Product Description 2-component solvated low viscosity epoxy resin based impregnating sealer for concrete surfaces.
Manufacturer/Supplier Sika Limited
Watchmead
Welwyn Garden City
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AL7 1BQ
tel. 01707 394444
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2. COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

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Xylene	1330-20-7	25.00% - 50.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	2.50% - 10.00%	F, Xn	R11, R20
1 methoxy-2-propanol	107-98-2	2.50% - 10.00%	-	R10

3. HAZARD IDENTIFICATION

Main Hazards Flammable.
Harmful by inhalation and in contact with skin
Irritating to skin.

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.
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.
Obtain medical attention urgently.

Inhalation Remove from 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 release oxides of carbon and nitrogen

Protective Equipment for Fire-Fighting Wear full protective clothing and self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Wear appropriate protective clothing. Eliminate all sources of ignition.

Environmental Precautions and Clean-up Methods

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

Spillages

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

7. HANDLING AND STORAGE**Handling**

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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**

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Ethyl benzene

UK EH40: OES 100ppm (441mg/m³) 15min STEL

UK EH40: OES 100ppm (441mg/m³) 8h TWA.

1 methoxy-2-propanol

UK EH40: OES 125ppm (552mg/m³) 15min STEL

UK EH40: OES 100 ppm, 375mg/M³, 8 hr TWA

UK EH40: OES 150 ppm, 560mg/M³, 15 min STEL

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 solvent 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)

The insides of gloves must be kept scrupulously clean.

Eye Protection

Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Colourless. - Yellow.

Odor

Amine like.

Flash Point °C

26

Solubility - Water

Partially soluble.

Density (kg/m³)

Approx. 920 at 20 °C.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

**10. STABILITY AND REACTIVITY**

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Contains volatile solvent. High temperatures. Sources of ignition.
<i>Hazardous Decomposition Products</i>	Combustion will generate: oxides of carbon. oxides of nitrogen. acid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	Excessive exposure may produce anaesthetic or narcotic effects. Liquid and vapour can cause irritation on contact and at high concentrations.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content.
<i>Sensitization - Skin</i>	The possibility of allergic sensitisation should be considered.

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>	Maybe harmful to aquatic species

13. DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
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<i>ADR/RID :</i>	<i>Item Number</i>	31c Class F1
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<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	3.3
<i>IMDG :</i>	<i>Ems Number</i>	3-05, F - E, S - E
<i>IATA :</i>	<i>Proper shipping name</i>	Paint.
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	3

**15. REGULATORY INFORMATION****Label Requirements**

Harmful

**Risk Phrases**

Flammable.
Harmful by inhalation and in contact with skin.
Irritating to skin.

Safety Phrases

Wear suitable protective clothing and gloves.
Use only in well-ventilated areas.

Contains

Xylene

16. OTHER INFORMATION**First Issue Date**

24.04.1995

Revisions Highlighted

Composition / information on ingredients
Exposure controls/personal protection
Regulatory Information

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 1972/917: Highly Flammable Liquids & LPG Regs.
SI No. 972/1996: The Special Waste Regulations 1996
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

UK Guidance Publications

Approved Code of Practice - Management of Health and Safety at Work, HSE.
HS(G) 97, A Step by Step Guide to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.

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