



SAFETY DATA SHEET

Sikafloor 357N Part A

Date of issue - 27/03/2003.

SKFL357A

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code SKFL357A
Product Name Sikafloor 357N Part A
Product Description 2-component, solvent containing, polyurethane based sealer
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-Methoxy-1-methylethyl acetate	108-65-6	10.00% - 25.00%	Xi	R10, R36
Xylene	1330-20-7	2.50% - 10.00%	Xn	R10, R20/21, R38
Ethyl benzene	100-41-4	1.00% - 2.500%	Xn	R11, R20
Butyl acetate	123-86-4	1.00%-2.50%		R10, R66, R67
Solvent Naptha (Petroleum),Light Aromatic.	64742-95-6	0.10% - 1.00%	Xn, N	R10, R37, R51/53, R65, R66, R67
Dibutyltin dilaurate	77-58-7	0.10% - 1.00%	Xn, N	R36/38, R48/22, R50/53

3. HAZARD IDENTIFICATION

Main Hazards Flammable.

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. If material proves difficult to remove, use suitable skin cleanser (not solvent).
Solvents should not be used to clean skin because they may increase the penetration of the material.
Contaminated clothing should be washed or dry-cleaned before re-use.

Ingestion Do not induce vomiting.
Obtain medical attention urgently.

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

<i>Extinguishing Media</i>	Use foam, dry chemical or carbon dioxide.
<i>Extinguishing Media - Not suitable</i>	Do not use water jet.
<i>Special Hazards of Product</i>	Combustion will produce smoke, carbon dioxide and carbon monoxide.
<i>Protective Equipment for Fire-Fighting</i>	Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
<i>Environmental Precautions and Clean-up Methods</i>	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. Avoid inhaling vapour. Use in well ventilated area. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.
<i>Storage</i>	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

2-Methoxy-1-methylethyl acetate	UK EH40:OES 50ppm(274mg/M3) 8h TWA UK EH40:OES 100ppm(548mg/M3) 15 min STEL
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
Butyl acetate	UK EH40: OES 150ppm (724mg/m3) 8h TWA. UK EH40: OES 200ppm (966mg/m3) 15min STEL

<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>	Adequate ventilation should be provided to maintain solvent concentrations in the workplace below exposure limits. If limits are exceeded use an approved respirator suitable for the purpose.
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl / nitrile type)
<i>Eye Protection</i>	Wear safety glasses if risks of accidental contamination are possible during application.



SAFETY DATA SHEET

Sikafloor 357N Part A

Date of issue - 27/03/2003.

SKFL357A

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Various
<i>Odor</i>	Solvent - Characteristic.
<i>Flash Point °C</i>	46
<i>Explosion Limits (%)</i>	Not determined.
<i>Solubility - Water</i>	Immiscible.
<i>Density (kg/m3)</i>	Approx. 1400 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions. Contains volatile solvent.
<i>Conditions to avoid</i>	Sources of ignition. High temperatures.
<i>Hazardous Decomposition Products</i>	Heating may produce: oxides of carbon, acrid smoke and irritating fumes.

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.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content. Harmful by absorption through the skin. Frequent or prolonged skin contact may cause some local short term skin irritation.

12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is insoluble in water.
<i>Persistence/degradability</i>	The product is partially or slowly biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

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
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID :</i>	<i>Number</i>	1263



SAFETY DATA SHEET

Sikafloor 357N Part A

Date of issue - 27/03/2003.

SKFL357A

ADR/RID : Proper shipping name	Paints - flash point between 21°C and 55°C.
ADR/RID : Class	3
ADR/RID : Item Number	31°(c) Class Code F1 Special Provision 640E
ADR/RID : Hazard Identification Number	30
IMDG : Proper shipping name	Paint.
IMDG : Packing Group	3
IMDG : Class	3.3
IMDG : Ems Number	3-05
IATA : Proper shipping name	Paint.
IATA : Packing Group	3
IATA : Class	3

15. REGULATORY INFORMATION

Risk Phrases	Flammable.
Safety Phrases	Use only in well ventilated areas.

16. OTHER INFORMATION

First Issue Date	13.12.2001
Revisions Highlighted	Composition and Information on Ingredients Exposure controls/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, 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. SI 1972/917: Highly Flammable Liquids & LPG Regs.
UK Guidance Publications	General Approved Code of Practice to COSHH Regulations, HSE. EH40, Occupational Exposure Limits, HSE. Revised Annually.
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	SKFL357B
Product Name	Sikafloor 357N Part B
Product Description	2-component, solvent containing, polyurethane based sealer
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-Methoxy-1-methylethyl acetate	108-65-6	25%-50%	Xi	R10, R36
Aliphatic Polyisocyanate	28182-81-2	25%-50%	Xi	R43
Xylene	1330-20-7	2.5%-10%	Xn	R10, R20/21, R38
Ethyl acetate	141-78-6	2.5%-10.0%	F, Xi	R11, R36, R66, R67
Ethyl benzene	100-41-4	1.0 -2.5%	F, Xn	R11, R20
Hexamethylen-1,6-diisocyanate	822-06-0	0.1%- 1.0%	T	R23, R36/37/38, R42/43

3. HAZARD IDENTIFICATION

Main Hazards	Flammable Harmful by inhalation. Irritating to eyes. 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. If material proves difficult to remove, use suitable skin cleanser (not solvent). Solvents should not be used to clean skin because they may increase the penetration of the material. Contaminated clothing should be washed or dry-cleaned before re-use.
Ingestion	Do not induce vomiting. Obtain medical attention urgently.
Inhalation	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.



SAFETY DATA SHEET

Sikafloor 357N Part B

Date of issue - 13/12/2001.

SKFL357B

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
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. Avoid inhaling vapour. Use in well ventilated area. Avoid contact with eyes, skin and clothing.
Storage	Keep container tightly closed when not in use. 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

2-Methoxy-1-methylethyl acetate	UK EH40: OES 50ppm(274mg/M3) 8hr. TWA UK EH40: OES 150ppm(822mg/M3) 15 min STEL
Xylene	UK EH40: OES 100ppm(441mg/M3) 8hr. TWA UK EH40: OES 150ppm(662mg/M3) 15 min STEL
Ethyl benzene	UK EH40: OES 100ppm(441mg/M3) 8 hr.TWA UK EH40: OES 150ppm(552mg/M3) 15 min STEL
Ethyl acetate	UK EH40: OES 400ppm (1460mg/M3) 8 hr. TWA
Hexamethylen-1,6-diisocyanate	UK EH40: MEL (0.02mg/m3) 8hr TWA UK EH40: MEL (0.07mg/m3) 15 min STEL

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	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. The insides of gloves must be kept scrupulously clean.
Eye Protection	Wear safety glasses if risks of accidental contamination are possible during application.



SAFETY DATA SHEET

Sikafloor 357N Part B

Date of issue - 13/12/2001.

SKFL357B

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Yellow.
<i>Odor</i>	Characteristic.
<i>Flash Point °C</i>	28
<i>Explosion Limits (%)</i>	Not determined.
<i>Solubility - Water</i>	Insoluble. (reacts with water to form solid)
<i>Density (kg/m3)</i>	Approx. 1100 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Sources of ignition. High temperatures.
<i>Materials to avoid</i>	Incompatible with alcohols.AminesOxidising agents. moisture
<i>Hazardous Decomposition Products</i>	Heating may produce: oxides of carbon. oxides of nitrogen. toxic fumes. acrid smoke and irritating fumes.

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.
<i>Skin irritation</i>	Frequent skin contact may cause irritation and defatting due to the solvent content. Frequent or prolonged skin contact may cause some local short term skin irritation. Harmful by absorption through the skin.
<i>Sensitization - Skin</i>	The possibility of allergic sensitisation should be considered.
<i>Teratogenic effects</i>	Inhalation may cause respiratory sensitisation. Hypersensitive persons may develop asthmatic symptoms and should refrain from working with the product.

12. ECOLOGICAL INFORMATION

<i>Mobility</i>	The product is insoluble 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>	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.



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SKFL357B

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Label Requirements

Harmful



Risk Phrases

Flammable.
Harmful by inhalation.
Irritating to eyes.
May cause sensitization by skin contact.

Safety Phrases

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Use only in well ventilated areas.

Contains isocyanates. See information supplied by the manufacturer.

16. OTHER INFORMATION

First Issue Date

13.12.2001

Revisions Highlighted

Future revisions will incorporate such information as is required but which is not available at this time.

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 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.
SI 1999/437: The Control of Substances Hazardous to Health Regulations
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.



SAFETY DATA SHEET

Sikafloor 357N Part B

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SKFL357B

SI No. 972/1996: The Special Waste Regulations 1996

UK Guidance Publications

General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.

Footnote

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