

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKD330A
Product Name	Sikadur-330 Part A
Product Description	2-component laminating compound based on epoxy resin.
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
Epoxy resin (No.Av. mol.wt. < 700)	25068-38-6	50.00% - 100.00%	Xi, N	R36/38, R43, R51/53
1,4-bis(2,3 epoxypropoxy)butane)	2425-79-8	10.00% - 25.00%	Xn	R20/21, R36/38, R43, R52/53
Solvent Naptha (petroleum) heavy aromatic.	64742-94-5	2.50% - 10.00%	Xn, N	R51/53, R65, R66, R67,

3. HAZARD IDENTIFICATION

Main Hazards	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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	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	Wash out mouth with water. 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	Not readily combustible. 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.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Wear appropriate protective clothing.

**Environmental Precautions and Clean-up Methods
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 eyes, skin and clothing.

Storage

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**Engineering Control Measures**

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

Respiratory Protection

Respiratory protection not normally required.

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**

Paste.

Color

White.

Odor

Faint. Characteristic.

pH

Approx. 7

Flash Point °C

Exceeds 100.

Solubility - Water

Insoluble.

Density (kg/m³)

Approx. 1.25 - 1.45 @ 20° C.

Viscosity (at 20°C)

Thixotropic paste

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Extremes of temperature.

Hazardous Decomposition Products

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

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Low order of acute toxicity.

Eye irritation

Irritating to the eyes.

Skin irritation

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

Sensitization - Skin

The low molecular weight epoxy resin is a potential skin sensitiser.
The possibility of allergic sensitisation should be considered



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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>	This material is 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>ADR/RID : Number</i>	3082
<i>ADR/RID : Proper shipping name</i>	Environmentally hazardous substance, liquid, n.o.s. contains Epoxy Resin
<i>ADR/RID : Class</i>	
<i>ADR/RID : Item Number</i>	M6
<i>IMDG : Proper shipping name</i>	Environmentally hazardous substance, liquid, N.O.S. contains Epoxy Resin
<i>IMDG : Packing Group</i>	3
<i>IMDG : Class</i>	9
<i>IMDG : Ems Number</i>	F-A, S-F
<i>IATA : Proper shipping name</i>	Environmentally hazardous substance, liquid, n.o.s. contains Epoxy Resin

15. REGULATORY INFORMATION

<i>Label Requirements</i>	Irritant, Dangerous for the environment 
<i>Risk Phrases</i>	Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<i>Safety Phrases</i>	Avoid contact with skin. Wear suitable gloves. Contains epoxy constituents. See information supplied by the manufacturer.
<i>Contains</i>	1,4-bis(2,3 epoxypropoxy)butane Reaction product: bisphenol A-(epichlorhydrin) epoxy resin (no. av. mol. wt <= 700)

16. OTHER INFORMATION

<i>First Issue Date</i>	12.03.1999
<i>Revisions Highlighted</i>	Regulatory Information
<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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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.

SI 2005/ 894 Hazardous waste regulations 2005

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.

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	SKD330B
Product Name	Sikadur-330 Part B
Product Description	2-component laminating compound based on epoxy resin.
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
Trimethylhexamethylene diamine	25620-58-0	50.00% - 100.00%	C	R22, R34, R43, R52/53

3. HAZARD IDENTIFICATION

Main Hazards	Harmful if swallowed. Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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	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.
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	Not readily combustible. 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

<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>	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 eyes, skin and clothing.
<i>Storage</i>	Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C. 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>	Respiratory protection not normally required.
<i>Hand Protection</i>	Wear suitable impervious gloves. (butyl /nitrile type) The insides of gloves must be kept scrupulously clean.
<i>Eye Protection</i>	Chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Paste.
<i>Color</i>	Grey.
<i>Odor</i>	Ammoniacal.
<i>pH</i>	Approx. 11 (soluble phase)
<i>Flash Point °C</i>	Exceeds 100.
<i>Solubility - Water</i>	Partially soluble.
<i>Density (kg/m³)</i>	Approx. 1.25 - 1.45.
<i>Viscosity (at 20°C)</i>	Thixotropic paste

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Hazardous Decomposition Products</i>	Heating may produce: ammonia. oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	This material is corrosive to the eye.
<i>Skin irritation</i>	This material is corrosive to the skin.
<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 sparingly soluble in water.
<i>Persistence/degradability</i>	The rate of biodegradation will be governed by the low water solubility.
<i>Ecotoxicity</i>	This material is 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>ADR/RID : Number</i>	1760
<i>ADR/RID : Proper shipping name</i>	Corrosive liquid, n.o.s.
<i>ADR/RID : Class</i>	Contains Trimethylhexamethylenediamines
<i>ADR/RID : Item Number</i>	C9
<i>IMDG : Proper shipping name</i>	Corrosive liquid, N.O.S.
<i>IMDG : Packing Group</i>	Contains Trimethylhexamethylenediamines 3
<i>IMDG : Class</i>	8
<i>IMDG : Ems Number</i>	F-A, S-B
<i>IATA : Proper shipping name</i>	Corrosive liquid, N.O.S.
<i>IATA : Packing Group</i>	contains Trimethylenehexamethylenediamines 3
<i>IATA : Class</i>	8

15. REGULATORY INFORMATION

<i>Label Requirements</i>	Corrosive 
<i>Risk Phrases</i>	Harmful if swallowed. Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<i>Safety Phrases</i>	Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves and eye/face protection.
<i>Contains</i>	Trimethylhexane-1,6-diamine



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16. OTHER INFORMATION

<i>First Issue Date</i>	12.03.1999
<i>Revisions Highlighted</i>	Regulatory Information
<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 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. SI 2005/ 894 Hazardous waste regulations 2005
<i>UK Guidance Publications</i>	Approved Code of Practice - Management of Health and Safety at Work, HSE. EH26, Occupational Skin Diseases: Health and Safety Precautions, HSE. General Approved Code of Practice to COSHH Regulations, 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.