

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code SKD33A
Product Name Sikadur 33 Part A
Product Description 2-component epoxy resin adhesive.
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: Bisph.Type A (No. Av. Mol wt <=700)	25068-38-6	25.00% - 50.00%	Xi, N	R36/38, R43, R51/53
Epoxy Resin: Bisph.Type F (No. Av. Mol wt <=700)	9003-36-5	10.00% - 25.00%	Xi, N	R36/38, R43, R51/53
Aliphatic glycidyl ether	68609-97-2	2.50% - 10.00%	Xi, N	R36/38, R43, R51/53
Aliphatic Glycidyl ether	74398-71-3	2.50% - 10.00%	Xi	R43, R52/53
Solvent Naptha (Petroleum),Light Aromatic.	64742-95-6	0.1% - 1.00%	Xn, N	R10, R37, 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.

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

<i>Extinguishing Media</i>	Not readily combustible. 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.
<i>Environmental Precautions and Clean-up Methods</i>	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. 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>	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>	Pasty
<i>Color</i>	Light Grey.
<i>Odor</i>	Characteristic.
<i>pH</i>	Approx. 7 (1% in water)
<i>Flash Point °C</i>	> 101
<i>Solubility - Water</i>	Insoluble.
<i>Density (kg/m3)</i>	Approx. 1490
<i>Autoignition Temperature °C</i>	> 250



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10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Extremes of temperature.
<i>Hazardous Decomposition Products</i>	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>	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 low molecular weight epoxy resin is a potential skin sensitiser. The possibility of allergic sensitisation should be considered

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>UN : UN number</i>	3082
<i>UN : Proper shipping name</i>	Environmentally hazardous substances, liquid, n.o.s.
<i>UN : Class</i>	9
<i>UN : Packing Group</i>	3
<i>ADR/RID : Number</i>	3082
<i>ADR/RID : Proper shipping name</i>	Environmentally hazardous substance, liquid, n.o.s.
<i>ADR/RID : Class</i>	contains Epoxy Resin
<i>ADR/RID : Item Number</i>	11(c) Class Code M6
<i>ADR/RID : Hazard Identification Number</i>	90
<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
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	9



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15. REGULATORY INFORMATION

Label Requirements

Irritant, Dangerous for the environment



Risk Phrases

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.

Safety Phrases

Avoid contact with skin.
Wear suitable gloves.

Contains epoxy constituents. See information supplied by the manufacturer.

Contains

Reaction product: bisphenol A-(epichlorhydrin)
Epoxy resin (no av mol wt <= 700)
Oxirane, mono[(C12-14-alkyloxy)methyl]derivs

16. OTHER INFORMATION

First Issue Date

20.01.2006

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

UK Guidance Publications

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	SKD33B
Product Name	Sikadur 33 Part B
Product Description	2-component epoxy resin adhesive
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
Fatty acids, reaction products with N-(2-aminoethyl) piperazine	92062-17-4	2.50% - 10.00%	Xi, N	R38, R41, R50/53
Triethylenetetramine	112-24-3	2.50% - 10.00%	C	R21, R34, R43, R52/53
Benzyl Alcohol	100-51-6	2.50% - 10.00%	Xn	R20/22
Isophoronediamine	2855-13-2	2.50% - 10.00%	C	R21/22, R34, R43, R52/53
Polyaminoimidazoline		1.00% - 2.50%	Xi	R41
2,4,6-Tri(dimethylaminomethyl) phenol	90-72-2	1.00% - 2.50%	Xn	R22, R36/38
3,6,9-triazaundecamethylenediamine	112-57-2	0.10% - 1.00%	C, N	R21/22, R34, R43, R51/53

3. HAZARD IDENTIFICATION

Main Hazards	Irritating to skin. Risk of serious damage to eyes. May cause sensitization 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	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.



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5. FIRE FIGHTING MEASURES

<i>Extinguishing Media</i>	Not readily combustible. 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 generate oxides of carbon and nitrogen
<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.
<i>Environmental Precautions and Clean-up Methods</i>	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>	Light Grey.
<i>Odor</i>	Amine like.
<i>Flash Point °C</i>	> 101
<i>Solubility - Water</i>	Partially soluble.
<i>Density (kg/m3)</i>	Approx. 1250
<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.



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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>	Prolonged contact may cause irritation.
<i>Sensitization - Skin</i>	May cause sensitisation.

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>	3077
<i>ADR/RID : Proper shipping name</i>	Environmentally hazardous substance, solid, n.o.s. contains: Alkyl C16/C18 aminoamine, Polyethyleneamines
<i>ADR/RID : Class</i>	
<i>ADR/RID : Item Number</i>	Class M7
<i>IMDG : Proper shipping name</i>	Environmentally hazardous substance, solid, n.o.s. contains: Alkyl C16/C18 aminoamine, Polyethyleneamines
<i>IMDG : Packing Group</i>	3
<i>IMDG : Class</i>	8
<i>IMDG : Ems Number</i>	F-A, S-F
<i>IATA : Proper shipping name</i>	Environmentally hazardous substance, solid, n.o.s. contains: Alkyl C16/C18 aminoamine, Polyethyleneamines
<i>IATA : Packing Group</i>	3
<i>IATA : Class</i>	8

15. REGULATORY INFORMATION

Label Requirements Irritant, Dangerous for the environment



<i>Risk Phrases</i>	Irritating to skin. Risk of serious damage to eyes. May cause sensitization 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. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.



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Contains

3-aminomethyl-3,5,5-trimethylcyclohexylamine
3,6-diazaoctanethylenediamine

16. OTHER INFORMATION

First Issue Date

20.01.2006

Revisions Highlighted

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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

Approved Code of Practice - Management of Health and Safety at Work, HSE

General Approved Code of Practice to COSHH Regulations, HSE.

Footnote

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