

**PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Code</b>	SKD53LA
<b>Product Name</b>	Sikadur 53LV Part A
<b>Product Description</b>	2-component, solvent free, low viscosity epoxy resin for underwater crack injection applications.
<b>Manufacturer/Supplier</b>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

**COMPOSITION/INFORMATION ON THE COMPONENTS****Preparation - Hazardous ingredients ( Europe )**

Component	Concentration	Classification	Risk Phrases
1) Nonyl Phenol	1.00%-2.50%	C, N	R22, R34, R50/53
2) Epoxy resin ( No.Av. mol.wt. < 700)	25.00%-50.00%	Xi, N	R36/38, R43, R51/53
3) Solvent Naptha (petroleum) heavy aromatic.	1.00%-2.50%	Xn, N	R65, R51/53
4) Aliphatic glycidyl ether	1.00%-2.50%	Xi, N	R36/38, R43, R51/53

**HAZARD IDENTIFICATION**

<b>Main Hazards</b>	Irritating to eyes and skin. May cause sensitisation by skin contact.  Misuse of this product due to lack of personal protection or care may result in dermatitis
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**FIRST AID MEASURES**

<b>Eye Contact</b>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
<b>Skin Contact</b>	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.
<b>Ingestion</b>	Wash out mouth with water. Obtain medical attention.
<b>Inhalation</b>	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.

**FIRE FIGHTING MEASURES**

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



# SAFETY DATA SHEET

## Sikadur 53LV Part A

Date of issue - 22/03/2001.

SKD53LA

### ACCIDENTAL RELEASE MEASURES

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

### HANDLING AND STORAGE

<b>Handling</b>	Use in well ventilated area. Avoid contact with eyes, skin and clothing.
<b>Storage</b>	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

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits - GB

1) Solvent Naptha (petroleum) heavy aromatic.	None assigned.
2) Aliphatic glycidyl ether	None assigned.

<b>Engineering Control Measures</b>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<b>Respiratory Protection</b>	Respiratory protection not normally required.
<b>Hand Protection</b>	Wear suitable impervious gloves. The insides of gloves must be kept scrupulously clean.
<b>Eye Protection</b>	Chemical goggles.

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Viscous liquid.
<b>Color</b>	Pink.
<b>Odor</b>	Faint. Characteristic.
<b>pH</b>	Not applicable.
<b>Flash Point °C</b>	Exceeds 100.
<b>Explosion Limits ( % )</b>	Not determined.
<b>Solubility - Water</b>	Insoluble.
<b>Vapor Pressure ( kPa )</b>	Negligible vapour pressure at ambient conditions.
<b>Density (kg/m<sup>3</sup>)</b>	Approx. 2.2 at 20 °C.
<b>Viscosity ( at 20°C )</b>	Viscous liquid at ambient temperatures.
<b>Decomposition temperature °C</b>	Over 200

### STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	Acids. Amines. Alcohols.
<b>Hazardous Decomposition Products</b>	Heating may produce: oxides of carbon. acrid smoke and irritating fumes.



**SAFETY DATA SHEET**  
**Sikadur 53LV Part A**

Date of issue - 22/03/2001.

SKD53LA

**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.

**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.

**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.

**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 Substance Identification 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>	9
<i>ADR/RID Item Number</i>	11 (c)
<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>IATA : Proper shipping name</i>	Not Classified for Air Transport.

**REGULATORY INFORMATION**

<i>Label Requirements</i>	Irritant
	
<i>Risk Phrases</i>	Irritating to eyes and skin. May cause sensitisation by skin contact.



**SAFETY DATA SHEET**  
**Sikadur 53LV Part A**

Date of issue - 22/03/2001.

SKD53LA

**Safety Phrases**

Keep out of reach of children.  
Avoid contact with skin.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
If swallowed seek medical advice immediately and show this container or label.  
Use only in well ventilated areas.

Contains epoxy constituents. See information supplied by the manufacturer.

**OTHER INFORMATION**

**First Issue Date**

04.05.1995

**Revisions Highlighted**

Composition/Information on the Components  
Toxicological Information  
Disposal  
Transport Information  
S Phrases

**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. 972/1996: The Special Waste Regulations 1996  
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

**UK Guidance Publications**

General Approved Code of Practice to COSHH Regulations, HSE.  
Approved Code of Practice - Management of Health and Safety at Work, 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.

**PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Code</b>	SKD53LB
<b>Product Name</b>	Sikadur 53LV Part B
<b>Product Description</b>	2-component, solvent free, low viscosity epoxy resin for underwater crack injection applications.
<b>Manufacturer/Supplier</b>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

**COMPOSITION/INFORMATION ON THE COMPONENTS****Preparation - Hazardous ingredients ( Europe )**

<b>Component</b>	<b>Concentration</b>	<b>Classification</b>	<b>Risk Phrases</b>
1) 2,4,6-Tri(dimethylaminomethyl) phenol	2.50%-10.00%	Xn	R22, R36/38
2) Benzyl Alcohol	25.00%-50.00%	Xn	R20/22
3) Isophoronediamine	10.00%-25.00%	C	R21/22, R34, R43, R52/53
4) Triethylenetetramine	10.00%-25.00%	C	R21, R34, R43, R52/53
5) Solvent Naptha (petroleum) heavy aromatic.	10.00%-25.00%	Xn, N	R65, R51/53

**HAZARD IDENTIFICATION**

<b>Main Hazards</b>	Causes burns. May cause sensitisation by skin contact. Harmful by inhalation, in contact with skin and if swallowed.  Misuse of this product due to lack of personal protection or care may result in dermatitis
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**FIRST AID MEASURES**

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Wipe off as much as possible with a clean dry cloth. 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.
<b>Ingestion</b>	Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Obtain medical attention.
<b>Inhalation</b>	Remove from exposure. In cases of possible respiratory irritation or if feeling unwell in cases of prolonged exposure, obtain medical attention.



# SAFETY DATA SHEET

## Sikadur 53LV Part B

Date of issue - 22/03/2001.

SKD53LB

### FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Not readily combustible. Use foam, dry chemical or carbon dioxide.
<b>Extinguishing Media - Not suitable</b>	Do not use water jet.
<b>Special Hazards of Product</b>	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours.
<b>Protective Equipment for Fire-Fighting</b>	Wear full protective clothing and self-contained breathing apparatus.

### ACCIDENTAL RELEASE MEASURES

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

### HANDLING AND STORAGE

<b>Handling</b>	Mix in a well ventilated area. Avoid contact with eyes, skin and clothing.
<b>Storage</b>	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

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits - GB

1) Solvent Naptha (petroleum) heavy aromatic.	None assigned.
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<b>Engineering Control Measures</b>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<b>Respiratory Protection</b>	Respiratory protection not normally required.
<b>Hand Protection</b>	Wear suitable impervious gloves. The insides of gloves must be kept scrupulously clean.
<b>Eye Protection</b>	Chemical goggles.

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid.
<b>Color</b>	Clear. - Brown.
<b>Odor</b>	Ammoniacal.
<b>pH</b>	Approx. 12 in water.
<b>Flash Point °C</b>	Exceeds 100.
<b>Explosion Limits ( % )</b>	Not determined.
<b>Solubility - Water</b>	Partially soluble.
<b>Vapor Pressure ( kPa )</b>	Negligible vapour pressure at ambient conditions.
<b>Density (kg/m3)</b>	Approx. 1.0 at 20 °C.
<b>Viscosity ( at 20°C )</b>	Mobile liquid at ambient temperatures.



**SAFETY DATA SHEET**  
**Sikadur 53LV Part B**

Date of issue - 22/03/2001.

SKD53LB

**STABILITY AND REACTIVITY**

<i>Stability</i>	Stable under normal conditions.
<i>Materials to avoid</i>	Oxidising agents. Mineral acids.
<i>Hazardous Decomposition Products</i>	Heating may produce: ammonia. oxides of carbon. oxides of nitrogen. acrid smoke and irritating fumes.

**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.

**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>	The product may be harmful to aquatic organisms.

**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.

**TRANSPORT INFORMATION**

<i>UN :</i>	<i>UN number</i>	1760
<i>UN :</i>	<i>Proper shipping name</i>	Corrosive liquid, n.o.s.
<i>UN :</i>	<i>Class</i>	8
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID</i>	<i>Substance Identification Number</i>	1760
<i>ADR/RID</i>	<i>Proper shipping name</i>	Corrosive liquid, n.o.s. contains Triethylenetetramine
<i>ADR/RID</i>	<i>Class</i>	8
<i>ADR/RID</i>	<i>Item Number</i>	66(c)
<i>ADR/RID</i>	<i>Hazard Identification Number</i>	80
<i>IMDG :</i>	<i>Proper shipping name</i>	Corrosive liquid, N.O.S. contains Triethylenetetramine
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	8
<i>IMDG :</i>	<i>Ems Number</i>	8-15
<i>IMDG :</i>	<i>MFAG Number</i>	760
<i>IATA :</i>	<i>Proper shipping name</i>	Corrosive liquid, N.O.S. contains Triethylenetetramine
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	8



# SAFETY DATA SHEET

## Sikadur 53LV Part B

Date of issue - 22/03/2001.

SKD53LB

### REGULATORY INFORMATION

#### Label Requirements

Corrosive



#### Risk Phrases

Causes burns.  
May cause sensitisation by skin contact.  
Harmful by inhalation, in contact with skin and if swallowed.

#### Safety Phrases

Keep locked up and out of reach of children.  
Avoid contact with skin.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Wear suitable protective clothing, gloves and eye/face protection.  
If swallowed seek medical advice immediately and show this container or label.  
Use only in well ventilated areas.

### OTHER INFORMATION

#### First Issue Date

04.05.1995

#### Revisions Highlighted

Composition/Information on the Components  
Toxicological Information  
Ecological Information  
Disposal  
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