Safety Data Sheet

according to 91/155/EEC and ISO 11014-1

(see instructions in Annex to 93/112/EC)

Revised: 24.06.2003 SDS No.: 213

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA

1. Identification of the substance/preparation and company

Product

Product name

Sikadur®-330 Part A

Manufacturer/supplier information

Manufacturer/supplier:	Sika Australia Pty Ltd
Street/postbox:	55 Elizabeth Street
Town/City and Post Code:	WETHERILL PARK NSW
Country:	Australia
Phone:	(02) 9725 1145
Telefax:	(02) 9725 3330
Emergency information phone:	1 800 033 111

2. Composition/information on ingredients

Chemical characterization

Filled and modified epoxy-resin

Hazardous ingredients

Designation according to 67/548/EEC CAS No.	Concentration	Danger symbols	R phrases
· reaction product: bisphenol A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700) 25068-38-6	30 - 60 %	Xi,N	36/38,43,51/53
· silicon dioxide (quartz) 14808-60-7	30 - 60 %	Xn	36/37/38,20/48
· 1,4-bis(2,3 epoxypropoxy)butane 2425-79-8	10 - 30 %	Xi	43

3. Hazards identification

Hazards identification

Xi Irritant

Information on hazards to man and to the environment

36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long term effects in the aquatic environment.

4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Ensure supply of fresh air.

Take medical treatment.

4. First-aid measures (continued)

After skin contact
Remove soiled or soaked clothing immediately, do not allow to dry.
In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

After eye contact
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.
Summon a doctor immediately.

After ingestion
Do not induce vomiting.
Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media
foam
dry powder
carbon dioxide
water mist

Unsuitable extinguishing media for safety reasons
Full water jet

Exposure hazard arising from the product, its combustion products or resulting gases
In the event of fire the following can be released:
Carbon monoxide (CO)
Carbondioxide (CO2)

Special protective equipment for fire-fighting
Use breathing apparatus.

Additional information
Cool containers with water spray jet.
Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions
Ensure adequate ventilation.
Use personal protective clothing.
Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions
In case of entry into waterways, soil or drains, inform the responsible authorities.

6. Accidental release measures (continued)

Procedures for cleaning up
Pick up mechanically
When picked up, treat material as prescribed under heading "Disposal".
Remove residues with small amount of alcohol-based solvent.

7. Handling and storage

Handling
Instructions for safe handling
Provide good ventilation of working area (local exhaust ventilation if necessary).
See chapter 8 / Personal protective equipment.

Instructions for fire and explosion protection
Keep away from sources of ignition - no smoking.

Storage
Requirements for storage rooms and containers
Keep container tightly closed in a cool, well-ventilated place

Combined storage instructions
Keep away from food, beverages and animal feedstocks.

Additional information regarding storage
Protect from frost.
Protect from heat and direct sunlight

8. Exposure controls/personal protection

Personal protective equipment
General protective and hygiene measures
Do not inhale vapours
Avoid contact with eyes and skin
Take care for sufficient ventilation or exhaust on the workshop place.
Do not eat, drink or smoke during work time.
Wash hands before breaks and after work.
Use barrier skin cream.
Remove soiled or soaked clothing immediately.

Respiratory protection
In case of insufficient ventilation.
Ori-nasal mask suitable for organic vapours.
If sanding, wear dust protection mask fitted with class P filter.

Hand protection
Plastic gloves

Eye protection
Tightly fitting safety glasses

Body protection
protective clothing

9. Physical and chemical properties

Appearance

Physical state:	Pasty
Colour:	white
Odour:	characteristic

Data relevant to safety		Method
Flash point	> 102 °C	
Vapour pressure at 20°C	approx. 1 hPa	
Density at 20°C	1.25 1.45 g/cm3	
pH value at 20°C	approx. 7	
Viscosity at 20°C (dynamic)	not applicable	

10. Stability and reactivity

Conditions to avoid

Formation of explosive gas/air mixtures.

Materials to avoid/dangerous reactions

Hazardous reactions possible with:
Amines
Phenols
Because of the high vapour pressure, containers are liable to burst if temperature rises.

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

When skin contact:
Sensitization/allergic reaction possible.
Allergic reaction can may be observed in sensitised persons, even on very low concentrations.

Experience on humans

When skin contact:
Irritation.
When eyes contact:
Irritation.
When inhalation:
Irritation.
When swallowed:
Small amount may cause considerable health disorders.

12. Ecological information

Additional information

Product is water polluting.
Do not allow to enter waste water drain, waterways or soil.
From current information concerning hazardous substances, environmental effects cannot be claimed at this time.

13. Disposal considerations

Product

Recommendations
Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.
See chapter 15, national regulations.

Packaging

Recommendations
Completely emptied packagings can be given for recycling.
Packaging that cannot be cleaned should be disposed of as product waste.

14. Transport information

ADG/ADR/RID

UN No.: N/A Class: N/A Cipher: 11c) Packing group: N/A
Proper shipping name
N/A
Label No.: 9

IMO/IMDG

UN No.: 3082 Class: 9 Page: 9028 Packing group: III
Proper shipping name
Environmentally hazardous substance, liquid, n.o.s.
contains: Epoxy resin
Label No.: 9

IATA/ICAO

Further information
No dangerous goods.

15. Regulatory information

Labelling according to 88/379/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.
Relevant hazardous ingredients for labelling
Contains: Epoxy resin > 30 %

Danger symbols

Xi	Irritant

R phrases

36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.

15. Regulatory information (continued)

51/53 Toxic to aquatic organisms, may cause long term effects in the aquatic environment.

S phrases
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.
51 Use only in well-ventilated areas.

Special labelling for certain preparations (Annex III to 88/379/EEC)
Contains epoxy-containing compounds.
Observe manufacturer's instructions.

National regulations
Toxicity law (CH)
Toxicity class 4 SFOPH T No.: 615084
Water hazardous class (WGK)
WGK 2 (self-classification)

Brandklasse (CH)
4

Sch 5 SUSDP (Aus)

Abfallcode und Abfallbezeichnung (CH)
DISPOSE AS SPECIAL WASTE: PAINT HAVING AN ORGANIC PHASE (BASIS EPOXY RESIN).
DISPOSE AS SPECIAL WASTE. UNCURED: HAVING AN ORGANIC PHASE.
CURED: WITHOUT A LIQUID PHASE.

16. Other information

asterisk (*) on left margin marks modification of previous version

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikadur 30 Part B

Recommended use:

Two Component Epoxy based Structural Strengthening Adhesive

Manufacturer/supplier information:

Manufacturer/supplier:	Sika Australia Pty Ltd
Street/postbox:	55 Elizabeth Street
Town/city and Post Code:	WETHERILL PARK NSW 2164
Country:	AUSTRALIA
Phone:	(02) 9725 1145
Fax:	(02) 9725 3330
General information	Operations Manager
Emergency information phone:	1800 033 111

2. Composition/information on ingredients

Chemical characterization:

Filled modified polyamines

Hazardous ingredients:

Ingredient	CAS No	Concentration
Trimethylhexane-1,6- diamine	25620-58-0	10 - 30%
Calcium carbonate	471-34-1	10 - 30%

3. Hazard identification

Hazard Category:

C Corrosive

Risk Phrase(s):

R34:	Causes burns.
R43:	May cause sensitisation by skin contact.

Safety Phrase(s)

S24	Avoid contact with skin.
S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell seek medical advice immediately.

4. First-aid measures

Inhalation:

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice. Seek medical advice if effects persist.

Skin contact:

For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

Eye contact:

Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Get to a doctor or hospital quickly.

Notes to physician:

Treat symptomatically.

5. Fire-fighting measures

Specific hazards:

Thermal decomposition or burning may release oxides of carbon, nitrogen, and other toxic gases.

Special protective precautions and equipment:

On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media:

If material is involved in a fire use water fog, foam, dry chemical or carbon dioxide.

6. Accidental release measures

Small Spills:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large spills:

Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

7. Handling and storage

Handling:

Mix in a well ventilated area.
Avoid skin and eye contact and inhalation of vapour.

Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight, moisture, water and frost.
Keep containers closed when not in use - check regularly for leaks. Store away from food, beverages and animal feedstock.

8. Exposure controls/personal protection

National occupational exposure limits:

No value assigned for this specific material by the NOHSC Australia.

However for:

	TWA		STEL		CARCINOGEN	NOTICES
	ppm	mg/m3	ppm	mg/m3	CATEGORY	
Calcium carbonate		10				

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.

Engineering measures:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Keep containers closed when not in use.

Personal protection equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Due to variations in glove construction and local conditions, the user should make an assessment of the appropriate gloves to use. Wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. Physical and chemical propertiesAppe

Appearance:

Physical state:	Paste
Colour:	Black
Odour:	Amine odour

Data relevant to safety:

Density (20 °C):	1.95 g/cm3
Flash Point (°C):	>101
Auto Ignition Temperature	>300
Vapour Pressure	0.3 hPa
PH	11
Solubility – water	Insoluble

(Typical values only - consult specification sheet)

10. Stability and reactivity

Chemical stability:

This material is thermally stable when stored and used as directed.

Conditions to avoid:

Elevated temperatures and sources of ignition.

Incompatible Materials:

No information available.

Hazardous decomposition products:
Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions:
No information available.

11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:
Inhalation: Harmful by inhalation. Material may be irritant to mucous membranes and respiratory tract.

Skin contact: May cause irritation.

Eye contact: May cause irritation.

Ingestion: May cause health disorders.

Long Term Effects:
No information available for product.

Acute toxicity / Chronic toxicity:
No LD50 data available for the product.

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:
The material is harmful to aquatic organisms.

Persistence and degradability:
The product is not readily biodegradable..

Mobility:
The product is sparingly soluble in water.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID

UN No:	1759
Dangerous Goods Class:	8
Packing Group:	III
Hazchem Code:	2R
Emergency Response Guide No:	37

Proper Shipping Name: CORROSIVE SOLID, N.O.S. (contains Trimethyl hexamethylenediamine)

IMDG

UN No:	1759
Dangerous Goods Class:	8
Packing Group:	III

Proper Shipping Name: CORROSIVE SOLID, N.O.S. (contains Trimethyl hexamethylenediamine)

IATA

UN No:	1759
Dangerous Goods Class:	8
Packing Group:	III

Proper Shipping Name: CORROSIVE SOLID, N.O.S. (contains Trimethyl hexamethylenediamine)

15. Regulatory information

Poisons Schedule (Aust):

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other information

Reason(s) For Issue: Revised

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS may be obtained from the following website: www.sika.com.au

The information contained in this Safety Date Sheet 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 any use and processing.