

Safety Data Sheet

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

Date of printing: 05.07.2004

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Revised: 09.01.2006

SDS No.: 501

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

1. Identification of the substance/preparation and company

Product

Product name

Sikafloor® HS 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:

1800 033 111

* 2. Composition/information on ingredients

Chemical characterization

Modified epoxy resin

Hazardous ingredients

Designation according to 67/548/EEC

CAS No. Concentration Danger symbols R phrases

EC No.

· reaction product: bisphenol A-(epichlorhydrin)

epoxy resin (number average molecular weight <= 700)

25068-38-6 10 - 25 % Xi,N 36/38,43,51/53

500-033-5

· Xylene

1330-20-7

1 - 10% Xn

10,20/21,38

3. Hazards identification

Hazards identification

Xi Irritant

Xn Harmful

Information on hazards to man and to the environment

10 Flammable

20/21 Harmful by inhalation and in contact with skin.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

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

4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Remove to fresh air. If breathing is difficult give oxygen.

After skin contact

In case of contact with skin wash off immediately with plenty of 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.

Seek medical attention if irritation persists.

After ingestion

Do not induce vomiting.

Wash mouth with water and seek medical attention.

5. Fire-fighting measures

Suitable extinguishing media

Foam

Carbon Dioxide

Dry Chemicals

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)

Additional information

Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

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

Environmental precautions

- Do not allow to enter drains or waterways
- In case of entry into waterways, soil or drains, inform the responsible authorities.

Procedures for cleaning up

- Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
- When picked up, treat material as prescribed under heading "Disposal".

7. Handling and storage

Handling

- Instructions for safe handling
- See chapter 8 / Personal protective equipment.

- Instructions for fire and explosion protection
- Not applicable.

Storage

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

Combined storage instructions

- Keep away from strong oxidizing agents, acids and alkalis.
- Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

- Protect from frost.
- Protect from heat and direct sunlight
- Protect from atmospheric moisture and water

*** 8. Exposure controls/personal protection**

Personal protective equipment

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

Respiratory protection

- Use respirator Type (AS/NZS1716) Type A1 if ventilation is inadequate.

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* 8. Exposure controls/personal protection (continued)

Hand protection
Butyl rubber/nitrile rubber gloves

Eye protection
Tightly fitting safety glasses

Body protection
Working clothes

9. Physical and chemical properties

Appearance

Physical state: thick paste
Colour: beige
Odour: mild odour

Data relevant to safety		Method
Flash point	> 100 °C	
Boiling Point	> 200 °C	
Density at 20°C	1.1 g/cm ³ approx.	
Solubility in water	insoluble	

10. Stability and reactivity

Materials to avoid/dangerous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

Sensitization/allergic reaction possible.
Allergic reaction such as dermatitis or asthma like symptoms may be observed in sensitive persons, even on very low concentrations.

Experience on humans

When skin contact:
Mild irritation and redness from prolonged contact.

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11. Toxicological information (continued)

When eyes contact:

May cause eye irritation and redness. May be capable of causing corneal scarring.

When inhalation:

May cause irritation to nose and mucous membrane.

When swallowed:

Small amount may cause considerable health disorders.

12. Ecological information

Additional information

Do not allow to enter waste water drain, waterways or soil.

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

ADR/RID

UN 1263 Class: 3 Packing group: III Class.code: M6

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s.

contains: Epoxide resin

Label No.: 3

IMO/IMDG

UN 1263 Class: 3 Packing group: III

EmS: F-A, S-F

Marine pollutant: no

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s.

contains: Epoxide resin

Label No.: 3

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* 14. Transport information (continued)

IATA/ICAO

UN 1263 Class: 3 Packing group: III

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s.

contains: Epoxide resin

Label No.: 3

15. Regulatory information

Labelling according to EEC Directive

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Relevant hazardous ingredients for labelling

Contains: reaction product: bisphenol A-(epichlorhydrin)

epoxy resin (number average molecular weight <= 700)

Danger symbols

Xi Irritant

Xn Harmful

R phrases

10 Flammable

20/21 Harmful by inhalation and in contact with skin.

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

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

S phrases

24 Avoid contact with skin.

37 Wear suitable gloves.

Special labelling for certain preparations

Contains epoxy-containing compounds.

Observe manufacturer's instructions.

* 16. Other information

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

Recommended use: Chemical product for construction.

The information contained in this Safety Data 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.



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

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CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikafloor HS Part B

Recommended use:

High Solids Epoxy Coating

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. Hazard identification

Hazard Category:

F Flammable
C Corrosive
Xn Harmful

Risk Phrase(s):

R10 Flammable
R20/22: Harmful by inhalation and if swallowed.
R34: Causes burns.
R38 Irritating to skin.
R43: May cause sensitisation by skin contact.

Safety Phrase(s)

S24/25 Avoid contact with skin and eyes.
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.

3. Composition/information on ingredients

Chemical characterization:
Modified polyamines

Hazardous ingredients:

Ingredient	CAS No	Concentration
Modified amine adduct		10-30%
Xylene		10 -30%

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.



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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. Effects may be delayed. Can cause corneal burns.

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 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.
Keep containers closed when not in use - check regularly for leaks.



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8. Exposure controls/personal protection

National occupational exposure limits:

No exposure limits have been allocated for this product

However for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Xylene	80	350	150	655		

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 properties

Appearance:

Physical state: Thixotropic liquid
Colour: Beige
Odour: Amine odour

Data relevant to safety:

Density (20 °C): 1.8 g/cm³
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.



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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: The material is corrosive to skin. The possibility of allergic sensitisation should be considered.

Eye contact: Liquid and vapour can cause irritation on contact and at high concentrations.

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

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:	2924
Dangerous Goods Class:	3 (8)
Packing Group:	III
Hazchem Code:	2R
Emergency Response Guide No:	37

Proper Shipping Name: Flammable liquid, Corrosive, N.O.S. (contains xylene, aliphatic amine)



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Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), cyanides of Class 6, radioactive substances (Class 7) or food and food packaging in any quantity, however exemptions may apply.

IMDG

UN No: 2924
Dangerous Goods Class: 3(8)
Packing Group: III

Proper Shipping Name: Flammable liquid, Corrosive, N.O.S. (contains: xylene, aliphatic amine)

IATA

UN No: 2924
Dangerous Goods Class: 3(8)
Packing Group: III

Proper Shipping Name: Flammable liquid, Corrosive, N.O.S. (contains: xylene, aliphatic amine)

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

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