



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0

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Issued: 23 April 2010

MSDS No: 157

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikafloor TopCoat WS Part A

Recommended use:

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:

Xi

Irritant

Risk Phrase(s)

R36/38:

Irritating to eyes and skin.

R43

May cause sensitisation by skin contact.

R51/53

Toxic to aquatic organisms, may cause long term adverse effects in aquatic environment.

Safety Phrase(s):

S24/25

Avoid contact with skin and eyes.

S36/37/38:

Wear suitable protective clothing, gloves and eye/face protection.

S61

Avoid release to environment.

3. Composition/information on ingredients

Chemical characterization:

Filled modified epoxy resin.

Hazardous ingredients:

Ingredient

CAS No

Concentration

Reaction product: bisphenol A-(epichlorohydrin)

25068-38-6

30-60%

Oxirane, mono(C12-14-alkyloxy)methyl derivatives

68609-97-2

1-10%

Solvent naphtha (petroleum) heavy aromatic

64742-94-5

1 -10%

Xylene

1330-20-7

1.3%

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. Seek medical advice if effects persist.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.



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Eye contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). 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. Seek medical advice.

Notes to physician:

Treat symptomatically.

5. Fire-fighting measures

Specific hazards:

Combustible material. In the event of fire oxides of carbon, halogenated compounds and metal oxides can be released.

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 and carbon dioxide.
Do not use water fog.

6. Accidental release measures

Small Spills:

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

Large spills:

Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Shut off possible sources of ignition. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (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:

Avoid skin and eye contact.

Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight, frost, atmospheric moisture and water. Store away from oxidizing agents. Keep containers closed when not in use - check regularly for leaks. Keep 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/m ³	ppm	mg/m ³	CATEGORY	
Epichlorohydrin	2	7.6				Sk



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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. Natural ventilation should be adequate under normal use conditions.

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: Various

Odour: Characteristic

Data relevant to safety:

Solubility: insoluble

Density(20 °C): 1.33 g/cm³

Boiling Point <200°C

10. Stability and reactivity

Chemical stability:

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

Conditions to avoid:

Avoid possible sources of ignition.

Materials to avoid:

Oxidizing agents.

Hazardous decomposition products:

Oxides of carbon, smoke and other toxic fumes.

Hazardous reactions:

Under normal conditions and storage hazardous decomposition products should not be produced.

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: No known effects or critical hazards.

Skin contact: Irritating to skin and may cause sensitization by skin contact..



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Eye contact: An eye irritant.

Ingestion:
Irritating to mouth throat and stomach.

Long Term Effects:
No information available for the product.

Acute toxicity / Chronic toxicity:
Oxirane, mono(C12-14-alkyloxy)methyl derivatives

LD50 Oral (rat) 17100mg/kg

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:
No information available.

Persistence and degradability:
No information available.

Mobility:
No information available.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID

UN. No.	3082
Dangerous Goods Class	9
Packing Group	III
Proper Shipping Name:	Environmentally hazardous substance liquid, n.o.s

IMDG

UN. No.	3082
Dangerous Goods Class	9
Packing Group	III
Proper Shipping Name:	Environmentally hazardous substance liquid, n.o.s

IATA

UN. No.	3082
Dangerous Goods Class	9
Packing Group	III
Proper Shipping Name:	Environmentally hazardous substance liquid, n.o.s

15. Regulatory information

Poisons Schedule (Aust):
This material is 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).



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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.



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CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikafloor TopCoat WS Part B

Recommended use:

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:

Xn Harmful
C Corrosive

Risk Phrase(s):

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R35: Causes severe burns.
R43: May cause sensitisation by skin contact.

Safety Phrase(s)

S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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
Benzyl alcohol	100-51-6	30-60%
M-phenylebis(methylamine)	1477-55-0	10-30%
Isophoronediamine	2855-13-2	10-30%
Bis-phenol A Resin	25068-38-6	10-30%
Cocoamine	61788-46-3	1-10%
Salicylic Acid	69-72-7	1-10%

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.
Do not use water jet.

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 allocated.

However for

SWA(Australia 8/2005) Absorbed through skin

M-phenylebis(methylamine)

Peak – 0.1 mg/m³ 15 minutes

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: Liquid
Colour: Clear – light yellow
Odour: Amine odour

Data relevant to safety:

Density (20 °C): 1.01 g/cm³
Flash Point (°C): >80
Solubility – water: Insoluble in cold water

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:

Oxidizing agents..

Hazardous decomposition products:

Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions:

No information available.



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11. Toxicological information

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Acute Effects:

Inhalation: Harmful by inhalation. May give off gas vapour or dust which can be irritating and corrosive to respiratory system.

Skin contact: The material is corrosive severely to skin. Causes severe burns. The possibility of allergic sensitisation should be considered.

Eye contact: Severely corrosive to eyes. Causes severe burns.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Acute toxicity / Chronic toxicity:

Benzyl alcohol

LD 50 Dermal – rabbit	2000mg/kg
LD 50 Intra arterial -rat	441mg/kg
LD 50 Intraperitoneal – rat	400mg/kg
LD 50 Intravenous – rat	53mg/kg
LD 50 Oral – rat	1230mg/kg

M-phenylebis(methylamine)

LD 50 Oral – rat	930mg/kg
LD 50 Dermal- rabbit	2g/kg

Salicylic Acid

LD 50 Dermal- rabbit	.10g/kg
LD 50 Intraperitoneal – rat	157mg/kg
LD 50 Oral – rat	891mg/kg

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.



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14. Transport information

ADG/ADR/RID

UN No: 2735
Dangerous Goods Class: 8
Packing Group: II
Hazchem Code: 2X
Emergency Response Guide No: 37

Proper Shipping Name: Amines, liquid, corrosives, n.o.s. (contains Isophoronediamine)

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: 2735
Dangerous Goods Class: 8
Packing Group: II

Proper Shipping Name: Amines, liquid, corrosives, n.o.s. (contains Isophoronediamine)

IATA

UN No: 2735
Dangerous Goods Class: 8
Packing Group: II

Proper Shipping Name: Amines, liquid, corrosives, n.o.s. (contains Isophoronediamine)

15. Regulatory information

Poisons Schedule (Aust):

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