CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sikaflex 291

Recommended use:

Sealant for marine applications

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 reactive PUR-polymers

Hazardous ingredients:

Ingredient	CAS No	Concentration
Xylene	1330-20-7	3-4%
Naphtha (petroleum)	64742-82-1	1-2.5%
4,4- methylphenyl di isocyanate	101-68-1	0.1 – 1%

3. Hazard identification

Hazard Category:

Xn Harmful

Risk Phrases

R42 May cause sensitisation by inhalation.

Safety Phrases

23 Do not breathe vapour.

24/25 In case of accident or if you feel unwell, seek medical advice immedietly.

4. First-aid measures

Inhalation:

Ensure supply of fresh air.
In the event of symptoms take medical treatment.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Consult a doctor if irritation persists.

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 seek medical attention immediately.

4. First-aid measures continued

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. Effects may be delayed.

5. Fire-fighting measures

Specific hazards:

In the event of fire oxides of carbon and nitrogen and possible traces of hydrogen chloride 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 water fog (or if unavailable fine water spray), foam, dry chemical or carbon dioxide.

6. Accidental release measures

Spills:

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

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

7. Handling and storage

Handling:

Provide good ventilation in working area.
Keep away from sources of ignition.

Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight , frost atmospheric moisture and water. Store away from food, beverages and animal feedstock. Keep containers closed when not in use - check regularly for leaks. Storage temperature should be 5-25^{0}C.

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	
Xylene	80	350	150-	655		

As published by the NOHSC Australia.

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:	Paste
Colour:	Various
Odour:	Characteristic

Data relevant to safety:

Solubility in water	Insoluble
Specific Gravity (20 °C):	1.26
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	> 65
Flammability Limits (%):	N Av

(Typical values only - consult specification sheet)
N Av = Not available

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.
If product reacts with water within the sealed container it forms carbon dioxide and pressure may rise.
Reactions possible with amines, alcohol and water.

Hazardous decomposition products:

Oxides of carbon and nitrogen, hydrogen chloride, 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:

Sensitisation
Allergic reaction can occur with sensitive persons.
Asthmatics and persons with sensitive respiratory tracts should avoid contact with this product.

Inhalation: Material may cause irritation. Vapours have a narcotic effect. Reaction time and coordination may be effected.

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:
Xylene : Oral LD50 (rat) 4,300mg/kg.

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:
No information available.

Persistence and degradability:
No information available.

Mobility:
No information available

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13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID
Not classified as Dangerous Goods by the criteria of the ADG Code.

IMDG

Not classified as Dangerous Goods by the criteria of the IMDG Code for transport by sea.

IATA

Not classified as Dangerous Goods by the criteria of the IATA Dangerous Goods Regulations for transport by air.

15. Regulatory information

Poisons Schedule (Aust):
Not scheduled.

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.