CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sika Boom AP

Recommended use:

Polyurethane dispenser foam.

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:

Urethane prepolymer with liquefied propellents.

Hazardous ingredients:

Ingredient	CAS No	Concentration
4,4 methylene diphenyl di isocyanate	101 -68-8	10 -30%
Chlorinated paraffin	85535-85-9	10 -30%
Butane	106 -97-8	1 –10%
Dimethyl ether	115- 10-6	1 – 10%
Propane	74-98-6	1 – 10%
Tetrafluoroethane	811 -97-2	1 – 10%

3. Hazard identification

Hazard Category:

F+	Extremely flammable
Xn	Harmful

R Phrases

R12	Extremely flammable
R36/37/38	Irritating to eyes respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R50/53	Toxic to aquatic organisms, may cause long term adverse effects in aquatic organisms.

S Phrases

S2	Keep out of reach of children.
S23	Do not breathe gas/fumes/vapour/spray.
S26	In case of contact with eyes, rise immediately with plenty of water and seek medical assistance..
S37/39	Wear suitable gloves and protective goggles.
38	In case of in-sufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell seek medical advice immediately.

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 for at least 15 minutes and seek medical attention immediately.

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:

In the event of fire carbon monoxide, hydrogen chloride and traces of hydrogen fluoride, hydrogen cyanide, hydrogen bromide 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 jet, alcohol resistant foam, dry chemical and carbon dioxide.

6. Accidental release measures

Small Spills:

Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination. Allow to solidify, collect mechanically 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 heat, direct sunlight and sources of ignition. 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	
Dimethyl ether	400	760	500	950		
Tetrafluoroethane	1000	4240				
Butane	800	1900				

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:	Aerosol
Colour:	Light yellow
Odour:	Characteristic

Data relevant to safety:

Solubility:	Insoluble
Density (20 °C):	1.126 Kg/L
Vapour Pressure (20 °C):	5000 mbar (aerosol)
(50 °C):	10,000 mbar (aerosol)
Explosion limits	1.5 – 18.6% (vol)

(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.
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:
No information available

Hazardous reactions:
Increase of pressure due to heating can cause bursting of cartridges.

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
Sensitisation possible by inhalation.

Skin contact: Irritant to skin and mucous membrane.

Eye contact: May cause irritation.

Long Term Effects:
No information available for product.

Acute toxicity / Chronic toxicity:
No information available for product.

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:
No information available.

Persistence and degradability:
The cured foam is not biodegradable.

Mobility:
No information available.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID
UN No: 1950
Dangerous Goods Class: 2.1
Proper Shipping Name: Flammable gas

IMDG
UN No: 1950
Dangerous Goods Class: 2.1
Proper Shipping Name: Flammable gas

IATA

UN No: 1950
Dangerous Goods Class: 2.1
Proper Shipping Name: Flammable gas

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.