



# Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0  
Revised: 17 Nov 2008

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MSDS No:575

## CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

### 1. Identification of the substance/preparation and company

Product:

#### Sika Boom FR

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. 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.

S Phrases

S2	Keep out of reach of children.
S23	Do not breathe gas/fumes/vapour/spray.
S25	Avoid contact with eyes.
S37/39	Wear suitable gloves and protective goggles.
S45	In case of accident or if you feel unwell seek medical advice immediately

### 3. Composition/information on ingredients

Chemical characterization:

Urethane pre-polymer with liquefied propellents.

Hazardous ingredients:

Ingredient	CAS No	Concentration
tris(2-chloroisopropyl)phosphate	13674-84-5	10 - 30%
diphenylmethane-4,4'-diisocyanate isomers and homologous	9016-87-9	1 - 10%
Isobutane	75 -28 - 5	1 - 10%
Propane	74 - 98 - 6	1 - 10%
Di- methylether	115 - 10-6	1 - 10%



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## 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

### 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 hydrogen cyanide, hydrogen chloride and carbon dioxide 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, carbon dioxide and dry powder.

Fight large fires with water jet and alcohol resistant foam.

## 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.



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Information about protection against explosions and fires: Pressurized container. Protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce, burn, even after use. Do not spray on a naked flame or any incandescent body. Keep away from sources of ignition- No smoking. Without adequate ventilation formation of flammable/explosives vapour – air

## 8. Exposure controls/personal protection

National occupational exposure limits:

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

However for:

diiphenylmethanediisocyanate, in form of breathable aerosols  
Isomers and homologous TLV: 0,05 mg/m<sup>3</sup>, 0.005 ppm

dimethyl ether TLV: 1910 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>

isobutane TLV: 2400 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>

propane TLV: 1800 mg/m<sup>3</sup>, 1000 ml/m<sup>3</sup>

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: Pink  
Odour: Characteristic

Data relevant to safety:

Solubility: Insoluble  
Density (20 °C): 0.9 – 1.1 g/cm<sup>3</sup>  
Vapour Pressure (20 °C): 5.5 – 6 bar  
Explosion limits: 1.5 – 18.6% (vol)  
Auto Ignition Temperature(°C): > 230

(Typical values only - consult specification sheet)



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Decomposition temperature: The cured foam may decompose at temperature above 100 °C. At temperatures above 300 °C self-ignition is possible

## 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.

### Hazardous decomposition products:

Hydrogen chloride (HCl), cyanic hydrogen (HCN) (at combustion)

### 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 toxicity:

#### Primary irritant effects:

Skin: Irritant for skin when pasting. Sensitization by skin contact possible.

Eye: Irritant effect: danger of pasting.

Inhalation: Sensitization possible Not applicable for the cured foam.

### Additional toxicological notice:

After foaming the prepolymer cures with air moisture out of the environment to neutral polyurethane.

### 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.



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## 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: Aerosol

### IMDG

UN No: 1950  
Dangerous Goods Class: 2.1  
Proper Shipping Name: Aerosol

### IATA

UN No: 1950  
Dangerous Goods Class: 2.1  
Proper Shipping Name: Aerosol

## 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: New Product.

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](http://www.sika.com.au)

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