



# Safety Data Sheet

According to NOHSC:2011(2003)

Page: 1 of 1

Issued: 23-Oct-07

MSDS No: 559

## CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

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

Product:

**Sarnacol 2142S**

Recommended use:

Polyurethane adhesive

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:

Polyurethane, pigment and organic solvents.

Hazardous ingredients:

Ingredients:	CAS No	Concentration
Diphenylmethanediisocyanate	9016- 87-9	1 - 10%
Ethyl acetate	141-78-6	10 -30%
Cyclohexane	110 -82-7	1 – 10%

### 3. Hazard identification

Hazard Category:

Xn Harmful  
F Flammable

Risk Phrase(s):

R11	Highly flammable.
R20	Harmful by inhalation.
R36	Irritating to eyes.
R42/43	May cause sensitisation by inhalation and skin contact.
R65	Harmful. May cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness and cracking.
R67	Vapours may cause drowsiness and dizziness.

Safety Phrase(s):

S16	Keep away from sources of ignition.
S23	Do not breathe vapour.
S24	Avoid contact with eyes.
S45	In case of accident or if you feel unwell, seek medical advise immediately.
S51	Use only in well ventilated areas.

### 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 attention in case of respiratory irritation or if feeling unwell in cases of prolonged exposure.



# Safety Data Sheet

According to NOHSC:2011(2003)

Page: 2 of 1

Issued: 23-Oct-07

MSDS No: 559

#### Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Solvents should not be used to clean skin because they may increase the penetration of the material. If swelling, redness, blistering or irritation occurs seek medical assistance.

#### 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:

Combustion will produce smoke, carbon dioxide, carbon monoxide and nitrogen oxides.

#### 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:

Use foam, dry chemical or carbon dioxide.

### 6. Accidental release measures

#### Spills:

Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Eliminate all sources of ignition. Wipe up with absorbents such as earth, sand and inert material. Prevent material entering drains and waterways. Collect and seal in properly labelled containers or drums for disposal. Dispose material according to local regulations.

### 7. Handling and storage

#### Handling:

Use in well ventilated areas. Keep away from sources of ignition and protect against electrostatic discharges. Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

#### Storage:

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from sources of ignition. Protect from frost, heat, direct sunlight, atmospheric moisture and water. Keep containers closed when not in use - check regularly for leaks.



# Safety Data Sheet

According to NOHSC:2011(2003)

## 8. Exposure controls/personal protection

National occupational exposure limits:

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

	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
Ethyl Acetate	200	720	400	1440
Cyclohexane	100	350	300	1050

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.

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:	Blue
Odour:	Characteristic

Data relevant to safety:

Density (20 °C)	1.0g/cm <sup>3</sup>
Flash Point (°C):	18
Viscosity (20 °C):	approx. 2000 mPas
Explosion Limits	UEL – 11.5% (vol), LEL – 2.1(vol)
Ignition temperature	460°C
Vapour pressure	97.0 hPa
Solubility	Not miscible in water
% Solids	80.9%
%Organic solvents	18.9%

(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.



# Safety Data Sheet

According to NOHSC:2011(2003)

Page: 4 of 3

Issued: 23-Oct-07

MSDS No: 559

Hazardous decomposition products:  
Oxides of carbon and nitrogen.

Hazardous reactions:  
None reported.

## 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 or overexposure occurs are:

### Acute Effects:

Inhalation: Sensitization possible through inhalation.

Skin contact: No irritant effect.

Eye contact: May cause irritation.

### Ingestion:

Harmful if swallowed.

### 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:

Harmful to aquatic organisms..

### Persistence and degradability:

No information available.

### Mobility:

Product is insoluble in water..

## 13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

## 14. Transport information



## Safety Data Sheet

According to NOHSC:2011(2003)

Page: 5 of 4

Issued: 23-Oct-07

MSDS No: 559

### ADG/ADR/RID

UN. No. 1133  
Dangerous Goods Class 3  
Packing Group III  
Proper Shipping Name: Adhesive containing flammable liquids

### IMDG

UN. No. 1133  
Dangerous Goods Class 3  
Packing Group III  
Proper Shipping Name: Adhesive containing flammable liquids

### IATA

UN. No. 1133  
Dangerous Goods Class 3  
Packing Group III  
Proper Shipping Name: Adhesive containing flammable liquids

### 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)

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.