



# Safety Data Sheet

## Barnes Silpression Part A

Version: 1.6 (AUS)

Date of print: 05.06.2006

Date of last alteration: 05.09.2005

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC

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

#### 1.1 Name of substance/preparation

Commercial product name: Silpression® Part A

#### 1.2 Use of substance / preparation:

Industrial and Hobby. Elastomer products

#### 1.3 Company name

Distributor: Barnes Products Pty Limited

Street/POB-No.: PO Box 393

State/postal code/city: Padstow 2211 NSW

Telephone: +612 9793 7555

Telefax: +612 9793 7091

#### 1.4 Australian Emergency Telephone Number Emergency Information

Barnes Products +612 9793 7555

### 2 Composition/information on ingredients

#### 2.1 Chemical characterization (preparation):

##### Chemical characteristics

Polydimethylsiloxane with functional groups + auxiliaries for addition cross-linking

### 3 Hazards identification

#### 3.1 Classification:

R-Phrase	Description
R-	-

### 4 First-aid measures

#### 4.1 General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

#### 4.2 After inhalation:

Material cannot be inhaled under normal conditions.

#### 4.3 After contact with the skin:

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

#### 4.4 After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

#### 4.5 After swallowing:

Give several small portions of water to drink. Do not induce vomiting.

### 5 Fire-fighting measures

#### 5.1 Suitable extinguishing media:

water spray , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

#### 5.2 Extinguishing media which must not be used for safety reasons:

water jet .

#### 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

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#### 5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.



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### 6 Accidental release measures

#### 6.1 Personal precautions:

No special measures required.

#### 6.2 Environmental precautions:

Prevent material from entering sewers or surface waters.

#### 6.3 Methods for cleaning up:

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

### 7 Handling and storage

#### 7.1 Handling

##### Precautions for safe handling:

No special protective measures required.

##### Precautions against fire and explosion:

No special precautions against fire and explosion required.

#### 7.2 Storage

##### Conditions for storage rooms and vessels:

none known

##### Advice for storage of incompatible materials:

not applicable

##### Further information for storage:

Keep container tightly closed. Store in a dry and cool place.

### 8 Exposure controls and personal protection equipment

#### 8.1 Exposure limits

Maximum airborne concentrations at the workplace: not applicable

#### 8.2 Exposure limited and controlled

##### 8.2.1 Exposure in the work place limited and controlled

##### General protection and hygiene measures:

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat or drink when handling.

##### Personal protection equipment

##### Respiratory protection:

not required .

##### Hand protection:

Recommendation: Protective gloves made of butyl rubber . Gloves suitable for up to 60 minutes' use.

##### Eye protection:

Recommendation: protective goggles .

##### 8.2.2 Exposure to the environment limited and controlled:

Prevent material from entering surface waters and soil.

### 9 Physical and chemical properties

#### 9.1 General information

Physical state / form.....:	paste
Colour.....:	white
Odour.....:	odourless



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### 9.2 Important information about the protection of health, safety and the environment

Method  
(67/548/EEC):

Melting point / melting range.....:	not applicable
Boiling point / boiling range.....:	not applicable
Flash point.....:	> 250 °C
Ignition temperature .....	> 400 °C
Lower explosion limit (LEL).....:	not applicable
Upper explosion limit (UEL).....:	not applicable
Vapour pressure.....:	not applicable
Density.....:	1,3 - 1,6 g/cm <sup>3</sup> at 20 °C
Water solubility / miscibility.....:	virtually insoluble
pH-Value.....:	approx. 7
Viscosity (dynamic).....:	not applicable

(DIN 51757)

## 10 Stability and reactivity

### 10.0 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### 10.1 Conditions to avoid:

none known

### 10.2 Materials to avoid:

none known

### 10.3 Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known .  
Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

## 11 Toxicological information

### 11.0 General information:

According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

### 11.1 Toxicological tests

#### Acute toxicity (LD50/LC50-values relevant to classification):

Exposition	Value/value range	Species	Source
oral	> 2000 mg/kg	rat	Conclusion by analogy

#### Specific symptoms in animal test:

Animal test with a chemically similar product: By skin contact: Not irritating to skin. By eye contact: Slight irritation possible. Not sensitising to the skin.

#### Further information:

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### 11.2 Experience with man:

-

### 11.3 Further toxicological information:

-



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### 12 Ecological information

#### 12.1 Ecotoxicity

Species	Test method	Exp. Time	Result	Source
rainbow trout (Oncorhynchus mykiss)	acute	96 h	> 100 mg/l (LC50)	test report
rainbow trout (Oncorhynchus mykiss)	acute	96 h	100 mg/l (NOEC)	test report

No expected damaging effects to aquatic organisms.

#### Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

#### 12.2 Mobility

-

#### 12.3 Persistence and degradability

##### Biodegradation / further information:

Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

##### Further information:

Elimination by adsorption to activated sludge.

#### 12.4 Bio-accumulation potential

Bioaccumulation is not expected to occur.

#### 12.5 Other harmful effects

none known

#### 12.6 Additional information

##### General information:

In cross-linked state not soluble in water. Easily separable from water by filtration.

### 13 Disposal considerations

#### 13.1 Material

##### Recommendation:

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

#### 13.2 Uncleaned packaging

##### Recommendation:

Containers should be completely emptied before recycling as specified in government regulations. Empty containers should be sent to an approved recycling facility.

### 14 Transport information

#### 14.1 Land transport GGVSE/ADR and RID

##### Road ADR:

Valuation.....: Not regulated for transport

##### Railway RID:

Valuation.....: Not regulated for transport

#### 14.2 Inland navigation GGVBinsch/ADNR

#### 14.3 Transport by sea GGVSee/IMDG-Code

Valuation.....: Not regulated for transport



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### 14.4 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

### 14.5 Transport/further information

#### Postal and courier service:

Australian postal despatch.....: permitted

## 15 Regulatory information

### 15.1 Warning Label (EU)

R-Phrase	Description
R-	-

S-Phrase	Description
S-	-

### 15.2 National regulations:

SI 2002/1689: CHIP Regulations 2002
SI 2002/2677: COSHH Regulations 2002
SI 1999/3242: Management of Health & Safety at Work Regulations 1999
Health & Safety at Work Act 1974
SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.
Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

## 16 Other information

### 16.1 Material

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

### 16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version.

**n.a. = not applicable      n.s. = not subject to**