

Material Safety Data Sheet

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Last Revision Date: 08.7.2014

DALCHEM P40 PART A

Non Hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**1.1 Product Details****Product Name:** Dalchem P40 PART A**Other Name:** Liquid Silicone Rubber**Proper Shipping Name:** Not applicable.**Recommended Use:** Silicone rubber**1.2 Company Details****Manufacturer/Supplier:** Dalchem Pty Ltd**Address:** 141 Herald St Cheltenham, Australia**Telephone Number** 03 9553 7040**2. HAZARD IDENTIFICATION****2.1 Classification of the substance or mixture**

NON-HAZARDOUS SUBSTANCE (according to the criteria of NOHSC). NON-DANGEROUS GOOD (according to the ADG Code).

Classification (67/548/EEC, 1999/45/EC):

R-Phrase Description

R- -This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

2.2 Label elements**Labelling (67/548/EEC, 1999/45/EC):**

R-Phrase Description

R- -

S-Phrase Description

S- -

2.3 Other hazards No data are available.**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

not applicable

3.2 Mixtures**3.2.1 Chemical characterization (preparation)**

Polydimethylsiloxane with functional groups and auxiliaries for addition cross-linking



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4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:

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

After inhalation:

Material cannot be inhaled under normal conditions.

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).

After contact with the eyes:

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

After swallowing:

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

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Advice for the doctor:

No data are available.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

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

Extinguishing media which must not be used for safety reasons:

water jet .

5.2 Special hazards arising from the substance or mixture

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5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2 Environmental precautions

Prevent material from entering sewers or surface waters.

6.3 Methods and material for containment and 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.

6.4 Reference to other sections

Relevant information in other sections have to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

General information:

Always stir well before use.

Precautions for safe handling:

No special protective measures required.

7.1 Precautions against fire and explosion:

No special precautions against fire and explosion required.

7.2 Conditions for safe storage, including any incompatibilities

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.

Maximum temperature allowed during storage and transportation: 40 °C

7.3 Specific end use(s)

No data are available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Maximum airborne concentrations at the workplace:

not applicable

8.2 Exposure controls

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. The selection of appropriate

gloves not only depends on the material, but also on other quality characteristics, and may vary depending on the manufacturer.

Please observe information from your glove supplier in terms of permeability and breakthrough time.

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 Information on basic physical and chemical properties

General information:

Physical state / form.....: paste

Colour: translucent

Odour: odourless

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Important information about the protection of health, safety and the environment:

Property: Value: Method:

Melting point / melting range	: not applicable
Boiling point / boiling range	: not applicable
Flash point.....	: approx. 307 °C (DIN 51376)
Ignition temperature	: approx. 440 °C (DIN 51794)
Lower explosion limit (LEL)	: not applicable
Upper explosion limit (UEL).....	: not applicable
Vapour pressure.....	: not applicable
Density	: approx. 1.08 g/cm ³ at 25 °C, at 1013 hPa (DIN 51757)
Water solubility / miscibility.....	: virtually insoluble
pH-Value	: not applicable
Viscosity (dynamic)	: 50000 - 90000 mPa.s at 23 °C (BROOKFIELD)

9.2 Other information

Thermal decomposition.....: > 200 °C

10. STABILITY AND REACTIVITY

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

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

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

none known

10.5 Incompatible materials

none known

10.6 Hazardous decomposition products

If stored and handled properly: 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

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

Acute toxicity estimate (ATE):

ATEmix (oral): > 2000 mg/kg

11.1.2 Skin corrosion/irritation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.3 Serious eye damage / eye irritation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.4 Respiratory or skin sensitization

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.5 Germ cell mutagenicity

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Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Assessment:

For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.

12.2 Persistence and degradability

Assessment:

Biologically not degradable. Insoluble in water. Separation by sedimentation.

12.3 Bioaccumulative potential

Assessment:

No adverse effects expected.

12.4 Mobility in soil

Assessment: Insoluble in water. No adverse effects expected.

12.5 Other adverse effects none known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

13.1.1 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.

13.1.2 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.

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14. TRANSPORT INFORMATION

14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group

Land transport ADG Code (road and rail)::

Valuation: Not regulated for transport

Transport by sea IMDG-Code:

Valuation: Not regulated for transport

Air transport ICAO-TI/IATA-DGR:

Valuation: Not regulated for transport

14.5 Environmental hazards

Hazardous to the environment: no

14.6 Special precautions for user

Relevant information in other sections have to be considered.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk transport in tankers is not intended.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

15.1.1 Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) Australia:

Poisons Schedule number:

No Poisons Schedule number allocated.

15.2 Other international regulations

Details of international registration status:

Listed on or in accordance with the following inventories:

EINECS - Europe

ECL - Korea

ENCS - Japan

AICS - Australia

IECSC - China

DSL - Canada

PICCS - Philippines

TSCA - USA

16: OTHER INFORMATION

Contact Point: 03 9553 7040

Prepared by: Dalchem Pty Ltd

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this Company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.