

**Safety Data Sheet (91/155/EEC)****ELASTOSIL® M 4642 B**

Version: 1.3 (GB)      Date of print: 30.09.2003      Date of last alteration: 22.08.2003

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA****1 Identification of the substance/preparation and company****1.1 Name of substance/preparation****Commercial product name:** ELASTOSIL® M 4642 B**1.2 Use of substance / preparation:**Industrial.  
Raw material for: elastomer products .**1.3 Company name****Manufacturer:** Wacker-Chemie GmbH  
**Street/POB-No.:** Hanns-Seidel-Platz 4  
**State/postal code/city:** D 81737 Munchen  
**Telephone:** +4989627901  
**Telefax:** +498677832356**Distributor:** Wacker Chemicals Australia Pty Ltd  
**Street/POB-No.:** Unit 18/20 Duerdin Street  
**State/postal code/city:** Clayton North Vic 3168  
**Telephone:** +61 3 9541 8900  
**Telefax:** +61 3 9541 8989**1.4 Emergency telephone number****Emergency Information** Regulatory Compliance      +61 3 9541 8900  
Manager  
**Emergency Information** ADT Security -      +61 3 9808 7363**2 Composition/information on ingredients****2.1 Chemical characterization (preparation):****Chemical characteristics**

Polydimethylsiloxane with functional groups

**3 Hazards identification****3.1 Classification:**

| R-Phrase | Description |
|----------|-------------|
| R-       | -           |

**4 First-aid measures****4.1 General information:**

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**4.2 After inhalation:**

No special measures required.

**4.3 After contact with the skin:**

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap.

**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:**

No special measures required. In cases of sickness seek medical advice (show label if possible).

**5 Fire-fighting measures**

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- 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.

**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:**  
Take up mechanically and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

**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.

**8 Exposure controls and personal protection equipment**

- 8.1 Exposure limits**
- 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:**  
not required .
- Eye protection:**  
Recommendation: protective goggles .

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

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**9 Physical and chemical properties****9.1 General information**

Physical state / form.....: paste  
Colour.....: dark red  
Odour.....: slight

**9.2 Important information about the protection of health, safety and the environment****Method  
(67/548/EEC):**

Melting point / melting range.....: not determined  
Boiling point / boiling range.....: not applicable  
Flash point.....: 310 °C (DIN 51376)  
Autoignition temperature.....: 445 °C (DIN 51794)  
Lower explosion limit (LEL).....: not applicable  
Vapour pressure.....: not applicable  
Density.....: approx. 0,96 g/cm<sup>3</sup> at 23 °C, at 1013 hPa (-)  
Water solubility / miscibility.....: virtually insoluble at 20 °C  
pH-Value.....: not applicable  
Viscosity (dynamic).....: approx. 700 mPa\*s at 23 °C (BROOKFIELD)

**9.3 Other information**

Thermal decomposition.....: &gt; 200 °C

**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:**

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**10.2 Materials to avoid:**

-

**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****Further information:**

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**12 Ecological information****12.1 Ecotoxicity**

No expected damaging effects to water organisms.

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

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

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**12.2 Mobility**

Absorbed by floating particles. Separation by sedimentation.

**12.3 Persistence and degradability****Biodegradation / further information:**  
Biologically not degradable.**Further information:**  
Elimination by adsorption in activated sludge.**12.4 Bio-accumulation potential****Further information:**  
No harmful effects expected.**12.5 Other harmful effects**

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**12.6 Further ecological information****General information:**  
In cross-linked state not soluble in water. Easily separable from water by filtration.**13 Disposal considerations****13.1 Material****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of in a domestic waste incinerator. Observe local/state/federal regulations. After solidification, material can be stored together with domestic waste. Observe local/state/federal regulations.

**13.2 Uncleaned packaging****Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**14 Transport information****14.1 Land transport GGVSE/ADR and RID****Road ADR:**

Valuation.....: not Regulated

**Railway RID:**

Valuation.....: not Regulated

**14.2 Inland navigation GGVBinsch/ADNR****14.3 Transport by sea GGVSee/IMDG-Code**

Valuation.....: not Regulated

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

Valuation.....: not Regulated

**14.5 Transport/further information****Postal and courier service:**

German postal dispatch.....: permitted

**Informing dept. ref. to heading 14. Transport information:**

Department MW-G (Gefahrgut-Service), Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

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**15 Regulatory information****15.1 Warning Label (EU)**

| R-Phrase | Description |
|----------|-------------|
| R-       | -           |

| S-Phrase | Description |
|----------|-------------|
| S-       | -           |

**15.2 National regulations:**

|   |   |
|---|---|
| SI 1999/3232:   | CHIP Regulations 1999                                       |
| SI 1999/437:  | COSHH Regulations 1999                                      |
| 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 |
|-----------------------|-----------------------|

**Details of international registration status**

Listed on the following inventories:

HSNO  
IECSC  
EINECS  
TSCA  
PICCS  
ECL  
DSL  
AICS