

Safety Data Sheet (91/155/EEC)**ELASTOSIL® M 4503**

Version: 1.3 (AUS)

Date of print: 14.07.04

Date of last alteration: 14.08.2002

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 4503**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**1.4 Company name****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**1.5 Australian Emergency Telephone Number****Emergency Information** Regulatory Compliance +61 3 9541 8900
Manager
Emergency Information (24 hours) ADT Security - +61 3 9808 7363
Wacker Chemicals Spills**2 Composition/information on ingredients****2.1 Chemical characterization (preparation):****Chemical characteristics**

Polydimethylsiloxane with functional groups + auxiliaries for condensation cross-linking

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 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.

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4.5 After swallowing:

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

5 Fire-fighting measures**5.1 Suitable extinguishing media:**

water spray jet , 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:

Do not introduce into sewerage or in 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 cold cleaner (e.g. water surfactant blend).

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.

Minimum temperature allowed during storage and transportation: 0 °C

8 Exposure controls and personal protection equipment**8.1 Exposure limits**

Threshold limit values (TLV): 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.

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Personal protection equipment**Respiratory protection:**

not required .

Hand protection:

not required .

Eye protection:

Recommendation: protective goggles .

8.2.2 Exposure to the environment limited and controlled:

Do not introduce into waters and into soil.

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

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

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

Boiling point / boiling range.....: not applicable
Flash point.....: > 250 °C (DIN 51376)
Autoignition temperature.....: > 450 °C (DIN 51794)
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Density.....: approx. 1,16 g/cm³ at 20 °C, at 1013 hPa (DIN 53217)
Water solubility / miscibility.....: virtually insoluble
pH-Value.....: not applicable
Viscosity (dynamic).....: 40000 - 60000 mPa*s at 23 °C (BROOKFIELD)

9.3 Other information

Thermal decomposition.....: > 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:

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 present experience, the material is physiologically compatible. According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic.

11.1 Toxicological tests**Further information:**

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12 Ecological information

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12.1 Ecotoxicity

According to past experience toxicity to fish is improbable.

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

According to present experience, no adverse effects on water purification plants.

12.2 Mobility

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12.3 Persistence and degradability

Biodegradation / further information:

Biologically not degradable.

Further information:

Silicone content: Elimination by adsorption in activated sludge.

12.4 Bio-accumulation potential

Further information:

Bioaccumulation improbable.

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.

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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

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.

n.a. = not applicable	n.s. = not subject to
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Details of international registration status

Listed on the following inventories:

IECSC
EINECS
TSCA
PICCS
ENCS
ECL
DSL
AICS