

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

Version: 1.3 (GB)

Date of print: 01.09.03

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**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  
Wacker Chemicals Spills (24 hours)**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/cm<sup>3</sup> 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.....: &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:**

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