

**Safety Data Sheet (91/155/EEC)**

Material: 60007329

ELASTOSIL® M 4670 B

Version: 1.5 (GB)

data correct as of: 08.06.2006

Date of last alteration: 30.05.2006

**1 Identification of the substance/preparation and company****1.1 Name of substance/preparation**

Commercial product name: ELASTOSIL® M 4670 B

**1.2 Use of substance / preparation:**Industrial.  
Raw material for: elastomer products .**1.3 Company name**Manufacturer/distributor: Wacker Chemie AG  
Street/POB-No.: Hanns-Seidel-Platz 4  
State/postal code/city: D 81737 München  
Telephone: +498962790  
Telefax: +498962791770

	Telefax	Telephone
Information about the Safety Data Sheet:	+49/8677/83-5590	+49/(0) 8677/83-4888

**1.4 Emergency telephone number**

		Emergency Number
Emergency Information (German):	Works Fire Brigade	+49/(0) 8677/83-2222
Emergency Information (internat.):	National Response Center	+49/(0) 621/60-43333

**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:**

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

**4.2 After inhalation:**

Provide fresh air.

**4.3 After contact with the skin:**

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

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

halones .

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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:

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping.

6.2 Environmental precautions:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth).

6.3 Methods for cleaning up:

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

6.4 Further information:

Eliminate all sources of ignition. Do not seal collecting vessel gas-tight. Observe notes under section 7.

**7 Handling and storage**

7.1 Handling

**Precautions for safe handling:**

Open and handle container with care. Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.2. Spilled substance increases risk of slipping.

**Precautions against fire and explosion:**

Product can release hydrogen. In partly emptied containers formation of explosive mixtures is possible. Keep away from sources of ignition and do not smoke. Keep away from open flames, heat and sparks. Take precautionary measures against electrostatic charging. Observe the same precautions when opening or entering confined storage areas such as cargo containers or tractor trailers.

7.2 Storage

**Conditions for storage rooms and vessels:**

none known

**Advice for storage of incompatible materials:**

not applicable

**Further information for storage:**

Store in original container only. Keep container in a cool and well ventilated 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, drink or smoke when handling.

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**Personal protection equipment****Respiratory protection:**

not required .

**Hand protection:**Recommendation: Protective gloves made of butyl rubber , nitrile rubber protective gloves .  
Gloves suitable for up to 60 minutes' use.**Eye protection:**

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.....: liquid  
Colour.....: colourless  
Odour.....: odourless**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.....: > 250 °C (DIN 51376)  
Ignition temperature .....: > 400 °C (DIN 51794)  
Lower explosion limit (LEL).....: not applicable  
Upper explosion limit (UEL).....: not applicable  
Vapour pressure.....: not applicable  
Density.....: approx. 1,01 g/cm<sup>3</sup> at 25 °C, at 1013 hPa (DIN 51757)  
Water solubility / miscibility.....: virtually insoluble at 20 °C  
pH-Value.....: not applicable  
Viscosity (dynamic).....: approx. 1800 mPa.s at 25 °C (BROOKFIELD)**9.3 Other information**

Explosion limits for released hydrogen: 4 - 75.6%(V).

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:**

Reacts slowly with: basic substances , amines , strong acids , oxidizing agents . Reaction causes the formation of: hydrogen .

**10.3 Hazardous decomposition products:**

hydrogen . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

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**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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**11.2 Experience with man:**

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**11.3 Further toxicological information:**

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

Evaluation on basis of physical-chemical properties: 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**

Insoluble in water.

**12.3 Persistence and degradability****Biodegradation / further information:**

Biologically not degradable.

**Further information:**

Separation by sedimentation.

**12.4 Bio-accumulation potential**

Bioaccumulation is not expected to occur.

**12.5 Other harmful effects**

none known

**12.6 Additional information****General information:**

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

**13 Disposal considerations****13.1 Material****Recommendation:**

Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10.2. Provide measures such as vented bungs to ensure pressure relief in the waste containers. Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

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**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.

**13.3 Waste Disposal Legislation Ref.No.(EC):**

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**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

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

Valuation.....: Not regulated for transport

**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 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.

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**16 Other information**

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

Listed on the following inventories:

HSNO  
IECSC  
EINECS  
TSCA  
ENCS  
ECL  
DSL  
AICS