

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

Version: 1.3 (GB)

Date of print: 30.09.03

Date of last alteration: 31.07.2002

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 4642 A**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 Duedin 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 addition 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:**

alcohol-resistant foam , carbon dioxide , sand .

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

water , extinguishing powder , halones .

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 waters, sewage water or soil.

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).

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.

Precautions against fire and explosion:

Product can separate 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.

7.2 Storage**Conditions for storage rooms and vessels:**

none known

Advice for storage of incompatible materials:

Keep away from alkalis.

Further information for storage:

Protect against moisture. Store in original container only. Keep container tightly closed and store in a well-ventilated place.

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

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8.2 Exposure limited and controlled**8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Do not eat, drink or smoke when handling.

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:**

Recommendation: protective goggles .

8.2.2 Exposure to the environment limited and controlled:**9 Physical and chemical properties****9.1 General information**Physical state / form.....: paste
Colour.....: cream
Odour.....: slight**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.....: 310 °C (DIN 51376)
Autoignition temperature.....: 455 °C (DIN 51794)
Lower explosion limit (LEL).....: not applicable
Vapour pressure.....: not applicable
Density.....: approx. 1,15 g/cm³ at 23 °C, at 1013 hPa (-)
Water solubility / miscibility.....: virtually insoluble
pH-Value.....: not applicable
Viscosity (dynamic).....: approx. 20000, mPa*s at 23 °C (BROOKFIELD)**9.3 Other information**

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

Thermal decomposition.....: Decomposition begins at approx. 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 with: alkalis , 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 present experience, the material is physiologically compatible. According to present experience, the material is neither mutagenic, cancerogenic nor teratogenic.

11.1 Toxicological tests**12 Ecological information****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.

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:**

Danger of oxyhydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10.2. Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.2 Uncleaned packaging**Recommendation:**

Containers may contain hazardous quantities of hydrogen gas. 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