



DRAWIN

# Safety Data Sheet

Material: 60008689

ELASTOSIL® M 4600 B

Version: 2.3 (US)

Date of print: 05/25/2022

Date of last alteration: 11/16/2019

## 1. Product and company identification

### 1.1 Identification of the substance or preparation:

**Commercial product name:** ELASTOSIL® M 4600 B  
**Use of substance / preparation:** Industrial.  
Raw material for: elastomer products .

### 1.2 Company/undertaking identification:

**Manufacturer/distributor:** DRAWIN Vertriebs-GmbH  
Rudolf-Diesel-Straße 15  
85521 Riemerling  
Germany

**Customer information:** Wacker Chemical Corporation  
3301 Sutton Road  
Adrian, Michigan 49221-9397  
USA  
InfoLine:  
Tel (517) 264-8240  
Hours of operation:  
Monday - Friday, 8 am to 5 pm (eastern standard time)  
Corporate website: www.wacker.com

**Emergency telephone no. (24h):** (517) 264-8500

**Transportation emergency:** (800) 424-9300 (CHEMTREC, USA)  
(703) 527-3887 (CHEMTREC, international)

This SDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (GHS):**  
Not a hazardous substance or mixture.

### 2.2 Label elements

**Labelling (GHS):**  
No labeling according to GHS required.

### 2.3 Other hazards

No data available.

## 3. Composition/information on ingredients

### 3.1 Chemical characterization (preparation)

Chemical characteristics  
Polydimethylsiloxane with functional groups and auxiliaries for addition cross-linking

### 3.2 Information on ingredients:

This material does not contain any ingredients above the permitted limit(s).



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Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above  $\geq 0.1\%$ .

## 4. First-aid measures

### 4.1 General information:

Get medical attention if irritation or other symptoms occur. Remove contaminated clothing and shoes.

### 4.2 After inhalation

Material cannot be inhaled under normal conditions.

### 4.3 After contact with the skin

For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

### 4.4 After contact with the eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

### 4.5 After swallowing

No special measures are required after swallowing.

### 4.6 Advice for the physician

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1 Flammable properties:

| Property:                           | Value:          | Method:     |
|-------------------------------------|-----------------|-------------|
| Flash point.....                    | 301 °C (574 °F) | (DIN 51376) |
| Boiling point / boiling range ..... | not applicable  |             |
| Lower explosion limit (LEL) .....   | not applicable  |             |
| Ignition temperature .....          | 425 °C (797 °F) | (DIN 51794) |

### 5.2 Fire and explosion hazards:

This material does not present any unusual fire or explosion hazards.

### 5.3 Recommended extinguishing media:

water-spray , dry chemical , alcohol-resistant foam , carbon dioxide , sand .

### 5.4 Unsuitable extinguishing media:

water jet

### 5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Hazardous decomposition products: carbon dioxide , carbon monoxide , formaldehyde , silicon dioxide and incompletely burnt hydrocarbons .

### 5.6 Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.



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## 6. Accidental release measures

### 6.1 Precautions:

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

**HAZWOPER PPE Level:** D

### 6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

### 6.3 Methods for cleaning up

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

## 7. Handling and storage

### 7.1 Handling

**Precautions for safe handling:**

Observe information in section 8.

**Precautions against fire and explosion:**

Observe the general rules for fire prevention.

### 7.2 Storage

**Conditions for storage rooms and vessels:**

Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**

Observe local/state/federal regulations.

**Further information for storage:**

Store in a dry and cool place.

## 8. Exposure controls and personal protection

### 8.1 Engineering controls

**Ventilation:**

Use with adequate ventilation.

**Local exhaust:**

No special ventilation required.

### 8.2 Associate substances with specific control parameters such as limit values

none known

### 8.3 Personal protection equipment (PPE)

**Respiratory protection:**

Respiratory protection is not normally required.

**Hand protection:**

Any liquid-tight rubber or vinyl gloves.



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**Eye protection:**

Safety glasses with side shields or chemical safety goggles.

**Other protective clothing or equipment:**

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**8.4 General hygiene and protection measures:**

Avoid contact with eyes, skin and clothing. When handling do not eat, drink, smoke or apply cosmetics. Follow standard industrial hygiene practices when using this material. Wash thoroughly after handling.

## 9. Physical and chemical properties

**9.1 Appearance**

|                      |            |
|----------------------|------------|
| Physical state ..... | liquid     |
| Form .....           | paste      |
| Colour .....         | colourless |
| Odour .....          | faint      |

**9.2 Safety parameters**

| Property:                           | Value:  | Method:      |
|-------------------------------------|---|--------------|
| Melting point / melting range ..... | not applicable  |              |
| Boiling point / boiling range ..... | not applicable  |              |
| Flash point.....                    | 301 °C (574 °F)                                       | (DIN 51376)  |
| Ignition temperature .....          | 425 °C (797 °F)                                       | (DIN 51794)  |
| Lower explosion limit (LEL) .....   | not applicable  |              |
| Vapour pressure.....                | not applicable  |              |
| Density .....                       | ca. 1 g/cm <sup>3</sup> at 25 °C (77 °F), at 1013 hPa | (DIN 53217)  |
| Water solubility / miscibility..... | virtually insoluble                                   |              |
| pH-Value .....                      | not applicable  |              |
| Viscosity (dynamic) .....           | ca. 10000 mPa.s at 23 °C (73 °F)                      | (Brookfield) |

**9.3 Further information**

|                            |   |
|----------------------------|---|
| Odour limit.....           | no data available                               |
| Thermal decomposition..... | Decomposition begins at approx. 200 °C (392 °F) |

## 10. Stability and reactivity

**10.1 General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

**10.2 Conditions to avoid**

none known

**10.3 Materials to avoid**

none known

**10.4 Hazardous decomposition products**

If stored and handled properly: none known . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

**10.5 Further information:**

Hazardous polymerization cannot occur.

## 11. Toxicological information

**11.1 Information on toxicological effects**

**11.1.1 Acute toxicity**



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**Product details:**

| Route of exposure | Result/Effect      | Species/Test system | Source                |
|-------------------|--------------------|---------------------|-----------------------|
| Oral              | LD50: > 5000 mg/kg | Rat                 | Conclusion by analogy |
| dermal            | LD50: > 2008 mg/kg | Rat                 | Conclusion by analogy |

**11.1.2 Skin corrosion/irritation**

**Product details:**

| Result/Effect  | Species/Test system | Source                |
|----------------|---------------------|-----------------------|
| not irritating | Rabbit              | Conclusion by analogy |

**11.1.3 Serious eye damage / eye irritation**

**Product details:**

| Result/Effect  | Species/Test system | Source                |
|----------------|---------------------|-----------------------|
| not irritating | Rabbit              | Conclusion by analogy |

**11.1.4 Respiratory or skin sensitization**

**Product details:**

| Route of exposure | Result/Effect   | Species/Test system      | Source                            |
|-------------------|-----------------|--------------------------|-----------------------------------|
| dermal            | not sensitizing | Guinea pig; Buehler Test | Conclusion by analogy<br>OECD 406 |

**11.1.5 Germ cell mutagenicity**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.6 Carcinogenicity**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.7 Reproductive toxicity**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.8 Specific target organ toxicity (single exposure)**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.9 Specific target organ toxicity (repeated exposure)**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.10 Aspiration hazard**

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.11 Further toxicological information**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by



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NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## 12. Ecological information

### 12.1 Toxicity

**Assessment:**

Based on available data no effects on aquatic organisms that are relevant for classification must be expected for the product up to its limits of water solubility. According to current knowledge adverse effects on water purification plants are not expected.

**Product details:**

| Result/Effect  | Species/Test system  | Source                               |
|--|--|--------------------------------------|
| > 1000 mg/l (nominal)<br>effect level > maximum achievable concentration   | static (water-accommodated fraction)<br>Fish (96 h)                              | literature<br>(Polydimethylsiloxane) |
| EC50: > 0.0001 mg/l (measured)<br>effect level > maximum achievable concentration                                  | static (water-accommodated fraction)<br>Daphnia magna (48 h)                     | literature<br>(Polydimethylsiloxane) |
| IC50 (growth rate): > 100000 mg/l (nominal)  | static (water-accommodated fraction)<br>Marine alga (skeleonema costatum) (72 h) | literature<br>(Polydimethylsiloxane) |
| NOEC: > 10000 mg/kg  | feeding study<br>rainbow trout (Oncorhynchus mykiss) (28 d)                      | literature<br>(Polydimethylsiloxane) |
| NOEC (mortality, growth, reproduction): > 500 mg/kg<br>The exposure to treated sediment did not result in effects. | exposure via sediment<br>Daphnia magna (21 d)                                    | literature<br>(Polydimethylsiloxane) |

### 12.2 Persistence and degradability

**Assessment:**

Silicone content: biologically not degradable. Elimination by adsorption to activated sludge.

### 12.3 Bioaccumulative potential

**Assessment:**

Polymer component: Bioaccumulation is not expected to occur.

### 12.4 Mobility in soil

**Assessment:**

Polymer component: insoluble in water. Adsorbs on soil.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Other adverse effects

none known

## 13. Disposal considerations

### 13.1 Product disposal

**Recommendation:**

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.



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## 13.2 Packaging disposal

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

## 14. Transport information

### 14.1 US DOT & CANADA TDG SURFACE

Valuation .....: Not regulated for transport

### 14.2 Transport by sea IMDG-Code

Valuation .....: Not regulated for transport

### 14.3 Air transport ICAO-TI/IATA-DGR

Valuation .....: Not regulated for transport

## 15. Regulatory information

### 15.1 U.S. Federal regulations

#### TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

#### TSCA 12(b) Export Notification:

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

#### CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

#### SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

#### SARA 311/312 Hazard Class:

This product does not present any SARA 311/312 hazards.

#### SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

#### HAPS (Hazardous Air Pollutants):

This material does not contain any hazardous air pollutants.

### 15.2 U.S. State regulations

#### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This material does not contain any chemicals known to the State of California to cause cancer.

This material does not contain any chemicals known to the State of California to cause reproductive effects.

#### Massachusetts Substance List:

This material contains no listed components.

#### New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

#### Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

### 15.3 Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

Japan ..... : **ENCS** (Handbook of Existing and New Chemical Substances):  
This product is listed in, or complies with, the substance inventory.



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|                                       |  |
|---------------------------------------|--|
| New Zealand .....                     | : <b>NZIoC</b> (New Zealand Inventory of Chemicals):<br>This product is listed in, or complies with, the substance inventory. (For a correct interpretation of the New Zealand status, additional information like GHS classification or Group Standard is required.)  |
| Australia .....                       | : <b>AICS</b> (Australian Inventory of Chemical Substances):<br>This product is listed in, or complies with, the substance inventory.  |
| China.....                            | : <b>IECSC</b> (Inventory of Existing Chemical Substances in China):<br>This product is listed in, or complies with, the substance inventory.  |
| Canada .....                          | : <b>DSL</b> (Domestic Substance List):<br>This product is listed in, or complies with, the substance inventory.   |
| Philippines.....                      | : <b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances):<br>This product is listed in, or complies with, the substance inventory.   |
| United States of America (USA).....   | : <b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory):<br>All components of this product are listed as active or are in compliance with the substance inventory.  |
| Taiwan .....                          | : <b>TCSI</b> (Taiwan Chemical Substance Inventory):<br>This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation. |
| European Economic Area (EEA).....     | : <b>REACH</b> (Regulation (EC) No 1907/2006):<br>General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.  |
| South Korea (Republic of Korea) ..... | : <b>AREC</b> (Act on Registration and Evaluation of Chemicals; "K-REACH"):<br>General note: in case of registration obligations for substances or polymers imported into Korea or manufactured within Korea these are fulfilled by the supplier mentioned in section 1. The registration obligations for substances or polymers imported into Korea by customers or other downstream users must be fulfilled by the latter.   |

## 16. Other information

### 16.1 Additional information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

WACKER restricts the use of its products inside the human body or in contact with bodily fluids and mucosa. For further details please review our Health Care Policy on [www.wacker.com](http://www.wacker.com). WACKER may cancel any delivery obligation(s) if the Health Care Policy is not observed.





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## 16.2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists  
 DOT - Department of Transportation  
 hPa - Hectopascals  
 mPa\*s - Milli Pascal-Seconds  
 OSHA - Occupational Safety and Health Administration  
 PEL - Permissible Exposure Limit

ppm - Parts per Million  
 SARA - Superfund Amendments and Reauthorization Act  
 STEL - Short Term Exposure Limit  
 TSCA - Toxic Substances Control Act  
 TWA - Time Weighted Average  
 WHMIS - Canadian Workplace Hazardous Materials Identification System

| <b>Flash point determination methods</b> ..... | <b>Common name</b>            |
|--|-------------------------------|
| ASTM D56.....                                  | Tagliabue (Tag) closed cup    |
| ASTM D92, DIN 51376, ISO 2592 .....            | Cleveland open cup            |
| ASTM D93, DIN 51758, ISO 2719 .....            | Pensky-Martens closed cup     |
| ASTM D3278, DIN 55680, ISO 3679 .....          | Setaflash or Rapid closed cup |
| DIN 51755.....                                 | Abel-Pensky closed cup        |

## 16.3 Conversion table:

Pressure:.....: 1 hPa \* 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa  
 Viscosity:.....: 1 mPa\*s = 1 centipoise (cP)