

**Safety Data Sheet (1907/2006/EC)****Material:** 60004858                      **ELASTOSIL® R 401/20**  
OH

Version: 1.10 (GB)                      Date of print: 05.05.2010                      Date of last alteration: 03.12.2009

**1 Identification of the substance/preparation and company****1.1 Name of substance/preparation****Commercial product name:** ELASTOSIL® R 401/20  
OH**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:** +49 89 6279-0  
**Telefax:** +49 89 6279-1770

<b>Information about the Safety Data Sheet:</b>	Telephone	+49/(0) 8677/83-4888
	Telefax	+49/8677/886-9722
	eMail	WLCP-MSDS@wacker.com

**1.4 Emergency telephone number****Emergency Information (German):** plant fire brigade                      +49/(0) 8677/83-2222  
**Emergency Information (internat.):** National Response Center                      +49/(0) 621/60-43333**2 Hazards identification****2.1 Classification**

R-Phrase	Description
R-	-

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC.

**3 Composition/information on ingredients****3.1 Chemical characterization (preparation)**

<b>Chemical characteristics</b>
Polydimethylsiloxane with vinyl groups and auxiliary

**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**

Material cannot be inhaled under normal conditions.

**4.3 After contact with the skin**

Wipe off excess material with cloth or paper. 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**

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- 5.1 Suitable extinguishing media**  
water spray , 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**  
Prevent material from entering sewers or surface waters.
- 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:**  
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. Store in a dry and cool 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 or drink when handling.
- Personal protection equipment**
- Respiratory protection**  
not required .

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**Hand protection**

Recommendation: Protective gloves made of butyl rubber . Gloves suitable for up to 60 minutes' use.

**Eye protection**

Recommendation: protective goggles .

**Skin protection**

not required .

**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.....: paste  
Colour.....: opaque  
Odour.....: slight

**9.2 Important information about the protection of health, safety and the environment Method:**

Melting point / melting range.....: not applicable  
Boiling point / boiling range.....: not applicable  
Flash point.....: > 200 °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. 1,11 g/cm<sup>3</sup> at 20 °C (ISO 1183-1 A)  
Water solubility / miscibility.....: virtually insoluble  
pH-Value.....: not applicable  
Viscosity (dynamic).....: > 9000000 mPa.s

**9.3 Other information**

Thermal decomposition.....: > 250 °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 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 that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

**13.2 Uncleaned packaging**

**Recommendation:**

Containers should be completely emptied before recycling as specified in government regulations. Empty containers should be sent to an approved recycling facility.

**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 ADR and RID**

**Road ADR:**

Valuation.....: Not regulated for transport

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**Railway RID:**

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

**14.4 Transport/further information****Informing dept. ref. to heading 14. Transport information:**

Department Hazardous Materials Service, Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

**15 Regulatory information****15.1 Warning Label (EC)**

R-Phrase	Description
R-	-

  

S-Phrase	Description
S-	-

**15.2 National regulations**

National and local regulations must be observed.

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.

**15.3 Other international regulations****Details of international registration status**

Listed on or in accordance with the following inventories:

EINECS - Europe  
IECSC - China  
TSCA - USA  
PICCS - Philippines  
ENCS - Japan  
ECL - Korea  
DSL - Canada  
AICS - Australia**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. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

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