

Safety Data Sheet (1907/2006/EC)

Material: 60003768

ELASTOSIL® RT 607 B

Version: 1.8 (REG_EUROPE)

Date of print: 07.02.2012

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® RT 607 B

1.2 Use of substance / preparationIndustrial.
Casting compound**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

Information about the Safety Data Sheet:	Telephone	+49 8677 83-4888
	Telefax	+49 8677 886-9722
	eMail	WLCP-MSDS@wacker.com

1.4 Emergency telephone numberEmergency Information (German): plant fire brigade +49 8677 83-2222
Emergency Information (internat.): National Response Center +49 621 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.

2.2 Further hazards to man and environment

Product can release hydrogen. Danger of oxyhydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis.

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

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

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

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

alcohol-resistant foam , carbon dioxide , sand . Hydrogen gas can become trapped under foam blankets, so sources of ignition must be eliminated during the clean-up and recovery process.

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**

Secure the area. 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). If safe to do so, stop the leak at its source.

6.3 Methods for cleaning up

For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. Use only air driven or properly rated electrical equipment. Use vented recovery containers. 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.

6.4 Further information:

Eliminate all sources of ignition. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10.2. Do not blend contaminated material with uncontaminated material. Observe notes under section 7.

7 Handling and storage**7.0 General information:**

Stir thoroughly before use or catalysing.

7.1 Handling**Precautions for safe handling:**

Open and handle container with care. Ensure adequate ventilation. Keep container closed when not in use. Keep away from incompatible substances in accordance with section 10.2. Where possible, inert process equipment and blanket vessels, tanks and containers with nitrogen to reduce the available oxygen level. Contact WACKER for additional publications on the safe Handling of SiH Products.

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.

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

Do not store in virgin glass containers with basic surface.

Advice for storage of incompatible materials:

Do not store with: basic substances (e.g. alkalis, ammonia, amines) , oxidizing agents , strong acids .

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Further information for storage:

Protect against moisture. Store in a dry and cool place. Store container in a well ventilated place.

8 Exposure controls and personal protection equipment**8.1 Exposure limits****Maximum airborne concentrations at the workplace:**

not applicable

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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. Wash hands at the end of work and before eating.

Personal protection equipment**Respiratory protection**

not required .

Hand protection

Recommendation: Protective gloves made of butyl rubber , protective gloves coated with neoprene , PVC 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:

Melting point / melting range.....: not applicable
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.....: 0,97 g/cm³ at 20 °C (DIN 51757)
Water solubility / miscibility.....: virtually insoluble at 20 °C
pH-Value.....: not applicable
Viscosity (dynamic).....: 150 - 250 mPa.s at 20 °C

9.3 Other information

According to previous experience spontaneous combustion temperature for polymer siloxane with SiH compounds is above 240 °C (464 °F). On a catalytically active surface ignition may occur at much lower temperature. This applies to porous or fibrous substances including those with alkaline surfaces, such as thermal insulation and cementaceous insulating materials. Explosion limits for released hydrogen: 4 - 75.6%(V). Re 9.2 pH Value: Product displays neutral reaction.

Thermal decomposition.....: > 200 °C

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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

moisture . Heat, open flames, and other sources of ignition. Contact with contaminated piping or vessels or with corroded and rusty containers can increase the rate of hydrogen formation. Observe information in section 7.

10.2 Materials to avoid

Reacts violently with: acids , basic substances (e.g. alkalis, ammonia, amines) . Reacts with: alcohols , water , moisture , oxidizing agents , catalyst . 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.

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. The toxicological results listed below are based on tests with similar materials.

11.1 Toxicological tests**Acute toxicity (LD50/LC50-values relevant to classification):**

Exposition	Value/value range	Species	Source
oral	> 20000 mg/kg	rat	test report

Primary irritation:

Exposition	Effect	Species/Testsystem	Source
to skin	not irritating	rabbit	test report
to eyes	mildly irritating	rabbit	test report

Sensitization:

Exposition	Effect	Test method	Species	Source
to skin	not sensitizing	Magnusson-Kligmann	guinea-pig	test report

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**

According to past experience toxicity to fish is improbable.

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

Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

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

Biologically not degradable.

Further information:

Elimination by adsorption to activated sludge.

12.4 Bio-accumulation potential

Bioaccumulation is not expected to occur.

12.5 Other harmful effects

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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. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10.2. Wastes of this material should not be mixed with other wastes. Provide measures such as vented bungs to ensure pressure relief in the waste containers.

13.2 Uncleaned packaging**Recommendation:**

Containers may contain hazardous quantities of hydrogen gas. Uncleaned containers should not be reused to hold another material due to the potential for reaction between residual product and incompatible materials. Uncleaned packaging should be treated with the same precautions as the material. Containers should be completely emptied before recycling as specified in government regulations.

14 Transport information**14.1 Land transport ADR and RID****Road ADR:**

Valuation.....: Not regulated for transport

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

Comment.....: Due to safety reasons no air transport of inner packagings > 1kg!

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)**

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R-	-

S-Phrase	Description
S-	-

15.2 National regulations

National and local regulations must be observed.

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

Listed on or in accordance with the following inventories:

IECSC - China
TSCA - USA
PICCS - Philippines
ENCS - Japan
EINECS - Europe
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.

- End of Safety Data Sheet -