

# Safety Data Sheet

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

## 1. Product and company identification

### 1.1 Identification of the substance or preparation:

**Commercial product name:** SEMICOSIL® 949 UV B  
Use of substance / preparation: Industrial.  
Potting compound

### 1.2 Company/undertaking identification:

**Manufacturer/distributor:** Wacker Chemical Corporation  
3301 Sutton Road  
Adrian, MI 49221-9397  
USA

**Customer information:** InfoLine:  
Tel (517) 264-8240, Fax (517) 264-8740  
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).

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.

## 4. First-aid measures

### 4.1 General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

**Safety Data Sheet**

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

**4.2 After inhalation**

Material cannot be inhaled under normal conditions. No special treatment required.

**4.3 After contact with the skin**

After skin contact wipe off excess material with cloth or paper. 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.

**5. Fire-fighting measures****5.1 Flammable properties:**

Property:	Value:	Method:
Flash point.....	> 340 °C (> 644 °F)	(ISO 2592)
Flash point.....	209 °C (408 °F)	(EN 22719)
Boiling point / boiling range .....	not applicable	
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
Ignition temperature .....	> 490 °C (> 914 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid) .....	IIIB	

**5.2 Fire and explosion hazards:**

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

**5.3 Recommended extinguishing media:**

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

**5.4 Unsuitable extinguishing media:**

water-spray , sharp 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.

**6. Accidental release measures****6.1 Precautions:**

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. Contain any fluid that runs out using suitable material (e.g. earth). Close leak if possible without risk.

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.

# Safety Data Sheet

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

## 6.3 Methods for cleaning up

Take up mechanically and dispose of according to local/state/federal regulations. 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. Apply sand or other inert granular material to improve traction.

## 7. Handling and storage

### 7.1 Handling

**Precautions for safe handling:**

Spilled substance increases risk of slipping.

**Precautions against fire and explosion:**

Observe the general rules for fire prevention.

### 7.2 Storage

**Conditions for storage rooms and vessels:**

Protect against light. Store in a cool place.

**Advice for storage of incompatible materials:**

not applicable

**Further information for storage:**

The effect of direct sunlight or UV radiation must be completely ruled out, even during transit. Store in the dark. Keep container tightly closed. Store in a dry and cool place. Protect against light.

**Maximum temperature allowed during storage and transportation:** 40 °C (104 °F)

## 8. Exposure controls and personal protection

### 8.1 Engineering controls

**Ventilation:**

Use with adequate ventilation.

**Local exhaust:**

not necessary

### 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:**

Recommendation: Any liquid-tight rubber or vinyl gloves.

**Eye protection:**

Recommendation: Safety glasses with side shields.

**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:

When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

## 9. Physical and chemical properties

### 9.1 Appearance

Physical state / form .....: liquid (25 °C (77 °F))

Colour .....: colourless

Odour .....: odourless

**Safety Data Sheet**

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

**9.2 Safety parameters**

Property:	Value:	Method:
Melting point / melting range .....	not applicable	
Boiling point / boiling range .....	not applicable	
Flash point.....	> 340 °C (> 644 °F)	(ISO 2592)
Flash point.....	209 °C (408 °F)	(EN 22719)
Ignition temperature .....	> 490 °C (> 914 °F)	(DIN 51794)
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
Vapour pressure.....	not applicable	
Density .....	0.97 g/cm <sup>3</sup> at 25 °C (77 °F)	(DIN 51757)
Water solubility / miscibility.....	virtually insoluble at 20 °C (68 °F)	
pH-Value .....	not applicable	
Viscosity (dynamic) .....	approx. 1000 mPa.s at 20 °C (68 °F)	

**9.3 Further information**

Odour limit .....	no data available
Thermal decomposition .....	> 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**

Observe information in section 7.

**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****Product details:**

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD <sub>50</sub> : > 5000 mg/kg	rat	Conclusion by analogy
dermal	LD <sub>50</sub> : > 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**

**Safety Data Sheet**

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

**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; Bühler	Conclusion by analogy 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 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) effect level > maximum achievable concentration	static (water-accommodated fraction) Fish (96 h)	literature (Polydimethylsiloxane)

**Safety Data Sheet**

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

EC <sub>50</sub> : > 0.0001 mg/l (measured) effect level > maximum achievable concentration	static (water-accommodated fraction) Daphnia magna (48 h)	literature (Polydimethylsiloxane)
IC <sub>50</sub> (growth rate): > 100000 mg/l (nominal)	static (water-accommodated fraction) Marine alga (skeleonema costatum) (72 h)	literature (Polydimethylsiloxane)
NOEC: > 10000 mg/kg	feeding study rainbow trout (Oncorhynchus mykiss) (28 d)	literature (Polydimethylsiloxane)
NOEC (mortality, growth, reproduction): > 500 mg/kg The exposure to treated sediment did not result in effects.	exposure via sediment Daphnia magna (21 d)	literature (Polydimethylsiloxane)

**12.2 Persistence and degradability****Assessment:**

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

**12.3 Bioaccumulative potential****Assessment:**

Bioaccumulation is not expected to occur.

**12.4 Mobility in soil****Assessment:**

Polymer component: insoluble in water. Adsorbs on soil.

**12.5 Other adverse effects**

none known

**13. Disposal considerations****13.1 Product disposal****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 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.

**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.

**Safety Data Sheet**

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

**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****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.

Australia ..... : **AICS** (Australian Inventory of Chemical Substances):

This product is not listed or in compliance with the substance inventory.

Philippines..... : **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):

This product is not listed or in compliance with the substance inventory.

United States of America (USA)..... : **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):

All components of this product are listed as active or are in compliance with the substance inventory.

Taiwan (Republic of China)..... : **TCSI** (Taiwan Chemical Substance Inventory):

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)..... : **REACH** (Regulation (EC) No 1907/2006):

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.

**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.

**Safety Data Sheet**

Material: 60065596

SEMICOSIL® 949 UV B

Version: 2.1 (US)

Date of print: 06/18/2018

Date of last alteration: 06/16/2018

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

All deliveries are subject to the WACKER SILICONES Health Care Policy, which is available at [www.wacker.com](http://www.wacker.com).

**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)