

**PRODUCT SAFETY DATA SHEET**

According to article 31 and Annex II of the EU REACH Regulation

Version: 1.3

Revision Date: 02.04.2009

**DOW CORNING(R) SE 9187 L CLEAR****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY**

<b>Trade name</b>	:	DOW CORNING(R) SE 9187 L CLEAR		
<b>Company</b>	:	Dow Corning Europe S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe Belgium		
<b>Service</b>	:	Dow Corning Central Europe	Tel: +49 6112371	
			Fax: +49 611237609	
		Dow Corning Northern Europe	Tel: +44 1676528000	
			Fax: +44 1676528001	
		Dow Corning Southern Europe	Tel: +33 472841360	
			Fax: +33 472841379	
<b>Emergency Phone Number</b>	:	Dow Corning (Barry U.K. 24h)	Tel: +44 1446732350	
		Dow Corning (Wiesbaden 24h)	Tel: +49 61122158	
		Dow Corning (Seneffe 24h)	Tel: +32 64 888240	
<b>E-mail address (Safety Data Sheet)</b>	:	sdseu@dowcorning.com		
<b>Use of the substance/preparation</b>	:	Coatings Adhesive, binding agents		

**2. HAZARDS IDENTIFICATION****The principal hazards of the product as supplied are:**

Vapours may form explosive mixtures with air.

Not hazardous according to article 31 and Annex II of the EU REACH Regulation and its subsequent amendments.

**3. COMPOSITION / INFORMATION ON INGREDIENTS****Chemical characterization:** Silicone Sealant**Hazardous Ingredients:**

<b>Name</b>	<b>CAS-No.</b>	<b>EINECS/ ELINCS No.</b>	<b>Conc. (% w/w)</b>	<b>Classification</b>
Dimethyl siloxane, trimethoxysiloxy-terminated	142982-20-5	Exempt or not available	45.0	
Dimethyl Siloxane, Mono-trimethoxysiloxy- and Trimethylsiloxy-terminated	472976-92-4	Exempt or not available	39.0	
Trimethylated silica	68909-20-6	272-697-1	4.0	

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Trimethoxy(methyl)silane	1185-55-3	214-685-0	2.0	F Xn	R11 R22
Diisopropoxytitanium bis(ethylacetoacetate)	27858-32-8	248-697-2	2.0	Xi Xi	R10 R38 R41

**4. FIRST AID MEASURES**

- On contact with eyes** : Flush with water.
- On skin contact** : Flush with water.
- If inhaled** : Remove to fresh air.
- On ingestion** : Obtain medical attention.

**5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media** : On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.
- Unsuitable extinguishing media** : None known.
- Hazards during fire fighting** : Vapours may form explosive mixtures with air.
- Special protective equipment/procedures** : A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
- Hazardous Combustion Products** : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Wear proper protective equipment.
- Environmental precautions** : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

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**Methods for cleaning up** : Determine the need to evacuate or isolate the area according to your local emergency plan. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

**7. HANDLING AND STORAGE**

**Advice on safe handling** : General ventilation is required. Local ventilation is recommended. Avoid skin and eye contact. Do not ingest. Do not breathe vapour. Do not breathe spray or mist.

**Advice on storage** : Do not store with oxidizing agents.  
Vapours may form explosive mixtures with air.

**Specific uses** : Refer to technical data sheet available on request.

**Unsuitable packaging materials** : None known.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls** : Ventilation : Refer to Section 7

**Exposure controls for hazardous components**

<b>Name</b>	<b>CAS-No.</b>	<b>Exposure Limits</b>
Dimethyl siloxane, trimethoxysiloxy-terminated	142982-20-5	250 ppm STEL as methanol 200 ppm TWA as methanol 333 mg/m <sup>3</sup> STEL as methanol 266 mg/m <sup>3</sup> TWA as methanol
Dimethyl Siloxane, Mono-trimethoxysiloxy- and Trimethylsiloxy-terminated	472976-92-4	250 ppm STEL as methanol 200 ppm TWA as methanol 333 mg/m <sup>3</sup> STEL as methanol 266 mg/m <sup>3</sup> TWA as methanol
Trimethylated silica	68909-20-6	4 mg/m <sup>3</sup> TWA Respirable dust 10 mg/m <sup>3</sup> TWA Inhalable dust
Trimethoxy(methyl)silane	1185-55-3	250 ppm STEL as methanol 200 ppm TWA as methanol 333 mg/m <sup>3</sup> STEL as methanol 266 mg/m <sup>3</sup> TWA as methanol

**Personal protection equipment**

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<b>Respiratory protection</b>	:	Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded. A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities. Depending on the working conditions, wear a respiratory mask with filter(s) AXP or use a self-contained respirator. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.
<b>Hand protection</b>	:	Gloves are not normally required.
<b>Eye protection</b>	:	Safety goggles should be worn.
<b>Skin protection</b>	:	Protective equipment is not normally necessary.
<b>Hygiene measures</b>	:	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
<b>Environmental exposure controls</b>	:	Refer to section 6 and 12.
<b>Additional information</b>	:	These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry ( <a href="http://www.SEHSC.com">www.SEHSC.com</a> ) or contact the Dow Corning customer service group.

**9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance

**Form:** Liquid                      **Colour:** Colorless to pale yellow                      **Odour:** Alcoholic

Important health, safety and environmental information

<b>Boiling point/range</b>	:	> 100 °C
<b>Flash point</b>	:	63 °C (Seta Closed Cup)
<b>Explosive properties</b>	:	No Vapours may form explosive mixtures with air.
<b>Specific Gravity</b>	:	1.00
<b>Viscosity</b>	:	12 Poise at 25°C.
<b>Oxidizing properties</b>	:	No

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

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**DOW CORNING(R) SE 9187 L CLEAR****10. STABILITY AND REACTIVITY**

<b>Stability</b>	:	Stable under normal usage conditions.
<b>Conditions to avoid</b>	:	None established.
<b>Materials to avoid</b>	:	Can react with strong oxidising agents. Cures in the presence of water or moisture, releasing a small amount of methanol.
<b>Hazardous decomposition products</b>	:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

**11. TOXICOLOGICAL INFORMATION**

<b>On contact with eyes</b>	:	Slightly irritating.
<b>On skin contact</b>	:	No adverse effects are normally expected.
<b>If inhaled</b>	:	May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness.
<b>On ingestion</b>	:	Forms methanol and may cause serious injury to man at doses > 200 mg/kg.
<b>Other Health Hazard Information</b>	:	This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

<sup>1</sup> Based on product test data.<sup>2</sup> Based on test data from similar products.**12. ECOLOGICAL INFORMATION****Environmental fate and distribution**

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded. This product hydrolyses in water or moist air, releasing methanol and organosilicons.

**Ecotoxicity effects**

No adverse effects on aquatic organisms.

**Bioaccumulation** : No bioaccumulation potential.

**Fate and effects in waste water treatment plants**

Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

**Additional environmental information**

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Additional environmental information on the silicone component is available on request.

**13. DISPOSAL CONSIDERATIONS**

- Product disposal** : Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
- Packaging disposal** : Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**14. TRANSPORT INFORMATION****Road / Rail (ADR/RID)**

Not subject to ADR/RID.

**Sea transport (IMDG)**

Not subject to IMDG code.

**Air transport (IATA)**

Not subject to IATA regulations.

**15. REGULATORY INFORMATION****Labelling according to EEC Directive**

- S-phrases** : S23(S) Do not breathe spray.  
S23(V) Do not breathe vapour.  
S24/25 Avoid contact with skin and eyes.  
S51 Use only in well-ventilated areas.

**National legislation / regulations**

- Ozone depleting chemicals** : No ozone depleting chemicals are present or used in manufacture.

**Status**

- TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
- EINECS** : Not determined.

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**DOW CORNING(R) SE 9187 L CLEAR****16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Dow Corning product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Dow Corning Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Dow Corning shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Dow Corning supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Dow Corning supplier.

**R10** Flammable., **R11** Highly flammable., **R22** Harmful if swallowed., **R38** Irritating to skin., **R41** Risk of serious damage to eyes.