

SYLGARD(R) 537 ONE PART DIELECTRIC GEL

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 Product Name:	SYLGARD(R) 537 ONE PART DIELECTRIC GEL	
1.2 Address:	Dow Corning Europe 62, Rue General De Gaulle 1310 La Hulpe Brussels Belgium	
1.3 Service:	Dow Corning Northern Europe	Tel: 44 1676 528 000
1.4 Emergency:	Dow Corning (Barry, GB 24h)	Tel: +44 1446732350
1.5 Health & Safety Information:	Dow Corning (Brussels, B) Health, Environment and Regulatory Affairs Department, Dow Corning, Brussels, B.	Tel: +32 2 6552111 Tel: +32 2 6552523 Tel: +32 2 6552304

2. COMPOSITION & INFORMATION ON INGREDIENTS

2.1 Chemical characterisation: Silicone elastomer (Preparation)

2.2 HAZARDOUS INGREDIENTS¹

Name	CAS No.	%(w/w)	Symbols & Health Risk Phrases
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No hazardous ingredients.

¹ According to Commission Directive 88/379/EEC (Article 3 [6a])

3. HAZARD IDENTIFICATION

Not hazardous

4. FIRST AID MEASURES

- 4.1 Skin:** Wipe off and wash with soap and water.
- 4.2 Eyes:** Flush with water
- 4.3 Inhalation:** Remove to fresh air
- 4.4 Ingestion:** Treat symptomatically
- 4.5 Other first aid information:** Not applicable.

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5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media:** Carbon dioxide, foam or dry powder
- 5.2 Unsuitable extinguishing media:** Do not use Water
- 5.3 Unusual firefighting hazards:** None known.
- 5.4 Special firefighting procedures:** Self-contained respirator and protective clothing should be worn.
Determine the need to evacuate or isolate the area according to your local emergency plan
- 5.5 Combustion products:** Silica Carbon dioxide and traces of incompletely burned carbon products
Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Avoid eye contact Avoid prolonged or repeated skin contact
- 6.2 Precautions to protect the environment:** None established, do not allow large quantities to enter drains.
- 6.3 Cleanup procedures:** Eliminate all possible sources of ignition Ventilate area well Mop, wipe or soak up with absorbent material and place in a vented container Do not get water on spilled material

7. HANDLING AND STORAGE

- 7.1 Handling precautions:** General ventilation is required Avoid eye contact Avoid prolonged or repeated skin contact
- 7.2 Storage:** This product slowly evolves hydrogen on storage Keep only in a vented container in a well ventilated area
- 7.3 Unsuitable packaging materials:** None known.
- 7.4 Incompatibilities:** None known.
- 7.5 Other information:** None known.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Exposure controls: Refer to section 7

8.2 Exposure controls for hazardous components.

Name	CAS No.	Exposure limits ¹
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None of the components have assigned exposure limits.

8.3 Personal protective equipment.

Respiratory: Respiratory protection is not normally required

Hand: Rubber or plastic gloves should be worn, where repeated or prolonged contact can occur

Eye: Safety glasses should be worn

Skin: Additional protective equipment is not normally required

Industrial Hygiene: Exercise good industrial hygiene practice Wash after handling, especially before eating, drinking or smoking.

8.4 Other information.

None known.

¹ According to Health and Safety executive document EH40

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance:

Form: Liquid. **Colour:** Colorless **Odour:** Slight.

9.2 Safety related information¹

pH:	Not determined.
Boiling point/boiling range:	>35 °C
Melting point/melting range:	Not determined.
Flashpoint:	> 100 °C
Flammability (solid, gas):	Not determined.
Autoflammability:	Not determined.
Explosive Properties:	Not determined.
Oxidising properties:	Not determined.
Vapour pressure:	Not determined.
Specific gravity:	0.97
Solubility in water:	Not determined.
Solubility in fat:	Not determined.
log n-octanol/water partition coefficient:	Not determined.
Other data:	
Vapour density (air = 1):	Not determined.
Evaporation rate (ethyl ether = 1):	Not determined.
Viscosity:	450.00 cST
% Volatiles:	Not determined.

¹ The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1 Stability: Stable.

10.2 Reactivity:

Conditions to avoid: None known.

Materials to avoid: Can react with strong oxidising agents Hydrogen is liberated on contact with water, alcohols, acidic or basic materials, many metals or metallic compounds and can form explosive mixtures in air

Hazardous decomposition products: If this product is heated to > 150°C trace quantities of formaldehyde may be released, and adequate ventilation is required

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11. TOXICOLOGICAL INFORMATION

Possible Health Effects.

Skin:³ Can irritate on prolonged or repeated contact Potential to cause contact allergy (skin sensitisation)

Eyes:³ Slightly irritating

Inhalation:³ Mist may cause temporary discomfort

Oral:³ Not known

Other health hazard information:

Product may emit formaldehyde vapours at temperatures above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentrations less than one part per million (1 ppm)

Occupational exposure measurement and control within established limits is necessary for applications where formaldehyde may be formed to ensure worker health and safety

Detailed information concerning current formaldehyde exposure limits can be found in UK HSE EH40 Occupational Exposure Limits

Silica is present in a non-crystalline (amorphous) state in this formulation; it is not in a respirable form

¹ Based on product test data.

² Based on assessments from related products.

³ This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

12. ENVIRONMENTAL INFORMATION

12.1 Environmental Fate and Distribution

Air: Not applicable.

Water: No specific information is available.

Terrestrial Environment: No specific information is available.

12.2 Ecotoxicity

Toxicity to Bacteria and effect on Effluent Treatment: No test data or other information is available on the effect on bacteria.

Toxicity to Aquatic Organisms: Not determined.

Fish LC50 (96hr): Not determined.

Daphnia EC50 (48hr): Not determined.

Algal IC50 (72hr): Not determined.

Toxicity to Terrestrial Organisms: No specific information is available.

Bioconcentration: No specific information is available.

12.3 Persistence and Degradation

BOD: No specific information is available.

COD: No specific information is available.

Degradation: No specific information is available.

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13. WASTE DISPOSAL

13.1 Product disposal: Can be incinerated in accordance with local regulations

13.2 Packaging disposal: Packaging should be disposed of in accordance with regional and/or national regulations.

14. TRANSPORT INFORMATION

14.1 Road & Rail Transport (ADR/RID)

Not subject to ADR.

14.2 Sea Transport (IMO)

Not subject to IMDG code.

14.3 Air Transport (ICAO)

Not subject to ICAO regulations.

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15. REGULATORY INFORMATION

15.1 EEC Supply classification & labelling: ¹

Contains: Not applicable.

S9 Keep container in a well ventilated place.
S12 Do not keep the container sealed.
S16 Keep away from sources of ignition - No smoking.
S24/25 Avoid contact with skin and eyes.

15.2 National legislation.

For product information in other EC languages, including appropriate national legislation, please contact the sales office at the above address.

15.3 Other regulations.

German waste number: 57202
German water class: 1 - Slight risk of causing water pollution.
German Vbf: Not applicable.
Ozone depleting chemicals: No ozone depleting chemicals are present or used in manufacture.

EINECS/ELINCS: All ingredients listed or exempt.
TSCA: Not determined.
MITI: Not determined.
DSL: Not determined.
AICS: Not determined.

15.4 The following sections have changed since the previous version: 01,02,04,05,06 07,08,09,10,11 13,14,15

¹ According to 93/18/EEC as adapted for the 3rd time to technical progress commission directive 88/379/EEC.

16. OTHER INFORMATION

This product safety data sheet was prepared in compliance with Commission Directive 93/112/EC, 67/548/EEC and 88/379/EEC as well as their 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 Commission Directive 88/379/EEC.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state 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.

Please note: for customers sourcing Dow Corning products in regions other than the European Union, the Safety Data Sheet will reflect the requirements of existing local legislation. This may result in a different format and presentation of hazard classification information.