

**DOW CORNING**

**PRODUCT SAFETY DATA SHEET**  
According to EC directive 91/155/EEC and subsequent amendments

Version: 1.0

Revision Date: 25.04.2000

**DOW CORNING(R) 1-2577 CONFORMAL COATING**

**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

**Trade name** : DOW CORNING(R) 1-2577 CONFORMAL COATING

**Company** : Dow Corning Europe  
Rue Général de Gaulle 62  
B-1310 La Hulpe  
Belgium

**Service** : 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

**Emergency Phone Number** : Dow Corning (Barry U.K. 24h) Tel: +44 1446732350  
Dow Corning (Wiesbaden 24h) Tel: +49 61122158

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical characterization:** Silicone in solvent

**Hazardous Ingredients:**

Name	CAS-No.	Conc. (% w/w)	Classification	
Dimethyl methylphenylmethoxy siloxane	68952-93-2	73.0		
Toluene	108-88-3	22.0	Xn	R20
Methyltrimethoxysilane	1185-55-3	4.0	Xn	R22

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**3. HAZARDS IDENTIFICATION**

The principal hazards of the product as supplied are:

Highly flammable.  
Harmful by inhalation.

**4. FIRST AID MEASURES**

**On contact with eyes** : No first aid should be needed.  
**On skin contact** : No first aid should be needed.  
**If inhaled** : Remove to fresh air. Obtain medical attention.  
**On ingestion** : No first aid should be needed.

**5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media** : Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool fire exposed containers.  
**Unsuitable extinguishing media** : None known.  
**Hazards during fire fighting** : Vapours are heavier than air and can travel along ground to remote ignition sources.  
**Special protective equipment/procedures** : A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.  
**Hazardous Combustion Products** : Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Wear proper protective equipment.  
**Precautions to protect the environment** : 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. Eliminate all possible sources of ignition. 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. Avoid skin and eye contact. Do not ingest.

**Advice on storage** : Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Keep container tightly closed.

**Unsuitable packaging materials** : None known.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure controls** : Refer to Section 7

**Exposure controls for hazardous components**

Name	CAS-No.	Exposure Limits
Dimethyl methylphenylmethoxy siloxane	68952-93-2	200 ppm TWA, 250 ppm STEL as methanol
Toluene	108-88-3	150 ppm STEL 50 ppm TWA 574 mg/m3 STEL 191 mg/m3 TWA
Methyltrimethoxysilane	1185-55-3	200 ppm TWA, 250 ppm STEL as methanol

**Personal protection equipment**

**Respiratory protection** : 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.

**Hand protection** : Gloves are not normally required.

**Eye protection** : Safety glasses should be worn.

**Skin protection** : Protective equipment is not normally necessary.

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

**Additional information** : None known.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

**Form:** Liquid                      **Colour:** Yellow                      **Odour:** Strong

Other data

**Flash point** : 13 °C

**Specific Gravity** : 1.04

**Viscosity** : 800 cSt

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

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**10. STABILITY AND REACTIVITY**

- Stability** : Stable under normal usage conditions.
- Conditions to avoid** : None established.
- Materials to avoid** : Can react with strong oxidising agents.
- Hazardous decomposition products** : See section 11.

**11. TOXICOLOGICAL INFORMATION**

- On contact with eyes**<sup>3</sup> : May cause temporary discomfort.
- On skin contact**<sup>3</sup> : No adverse effects are normally expected.
- If inhaled**<sup>3</sup> : Harmful by inhalation of vapour.
- On ingestion**<sup>3</sup> : No adverse effects are normally expected.
- 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 concentration less than one part per million (1 ppm).

<sup>1</sup> Based on product test data.

<sup>2</sup> Based on assessments from related products.

<sup>3</sup> 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. ECOLOGICAL INFORMATION**

**Environmental fate and distribution**

Organic solvents may evaporate into the atmosphere, where they degrade. Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

**Ecotoxicity effects**

This product contains substances which may cause adverse effects in the aquatic environment.

**Bioaccumulation** : Low potential to bioaccumulate.

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

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No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD.

**13. DISPOSAL CONSIDERATIONS**

**Product disposal** : Dispose of in accordance with local regulations.

**Packaging disposal** : Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**Road / Rail (ADR/RID)**

**UN No.** : 1294

**Proper Shipping Name** : TOLUENE SOLUTION

**Class** : 3,3(B)

**Packing group** : II

**Trem-Card** : 30G30-E

**Sea transport (IMDG)**

**UN No.** : 1294

**Proper Shipping Name** : TOLUENE SOLUTION

**Class** : 3.2

**Packing group** : II

**Marine pollutant** : Not Applicable